JWG

SERVICE MANUAL

間間 STEREO VIDEO CASSETTE

BR-6600E



SPECIFICATIONS

Format Tape width Tape speed

Recording & Playback time

Operating temperature Storage temperature Operating humidity Power consumption

Power requirement **Dimensions**

Fast forward/Rewind/time Search speed

VIDEO

Recording and Playback system

Video signal system Input (line/monitor) Output (line/monitor) dubbing Signal-to-noise ratio

Horizontal resolution

VHS PAL standard 12.65 mm (1/2 inch)

23.39 mm/s : 240 min. with JVC E-240 video

cassette tape 5°C to 40°C –20°C to 60°C Less than 80 %

70 watts (80 watts with remote control unit. DC 12 V, 550 mA) AC 100/120/220/240 V√, 50/60 Hz 440 mm(W) x 174 mm(H) x

455 mm(D) (Excluding protrusions)

18.5 kg

Less than 4.5 min. for 180 min. tape Shuttle FWD/REV ±10X Variable 0 to $\pm 5X$, $\pm 10X$

Rotary two-head, herical scanning system

Luminance: FM recording Colour: Phase shift, converted sub-carrier direct recording PAL-type colour signal (EIA standard)

0.5 to 2.0 Vp-p, 75 ohms, unbalanced 1.0 Vp-p, 75 ohms, unbalanced

Y-629, 7-pin

45 dB (Rohde and Schwartz

noise meter) 250 lines (Colour) 300 lines (B/W)

Sync input Sync select AUDIO

Input (line) (Mic)

(TV) Output level (line)

(monitor) (TV) (headphones) Signal-to-noise ratio

Dynamic range Frequency response

Wow and flutter

CONNECTORS

input/output Video sync input Audio

Hi-Fi input/output Normal input/output Microphones

Headphones Remote control AC in Accessories

4+0/-3 Vp-p, 75 ohms, unbalanced VIDEO/EXT/TBC

-6 dBs, 10 k-ohms, unbalanced -70 to -60 dBs, 600 ohms, unbalanced

-20 dBs, 10 k-ohms, unbalanced

-6 dBs, into 1 k-ohms, unbalanced (Normal, Hi-Fi)

0 dBs, low impedance (Normal, Hi-Fi) Max. -25 dBs, 8 ohms, variable

48 dB (NR-on), 43 dB (NR-off) at 3 % distortion

85 dB (Hi-Fi)

40 to 12.000 Hz (Normal) 20 to 20.000 Hz (Hi-Fi)

Less than 0.15 % wrms (Normal) Less than 0.005 % wrms (Hi-Fi)

BNC-type connectors BNC-type connector

: RCA-type pin connectors : RCA-type pin connectors

: 6-mm jack 6-mm jack

45-pin and 8-pin connectors

3-lead AC connector Monitor cable

Design and specifications subject to change without notice.

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

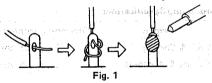
- 1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- 2. Parts identified by the 🛕 symbol and shaded (📖 parts are critical for safety.

Replace only with specified part numbers.

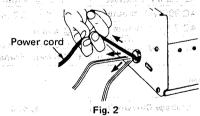
Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- 3. Fuse replacement caution notice. Caution for continued protection against fire hazard. Replace only with same type and rated fuse(s) as specified.
- 4. Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- 5. Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
- 3) Spacers
- 5) Barrier

- 2) PVC tubing
- 4) Insulation sheets for transistors
- 6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.



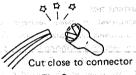
- 7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- 8. Check that replaced wires do not contact sharp edged or pointed parts.
- 9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.



- 10. Also check areas surrounding repaired locations.
- 11. Products using cathode ray tubes (CRTs) In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

- 12. Crimp type wire connector In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.
 - 1) Connector part number : E03830-001
 - 2) Required tool: Connector crimping tool of the proper type which will not damage insulated parts.
 - 3) Replacement procedure
 - (1) Remove the old connector by cutting the wires at a point close to the connector.

Important: Do not reuse a connector (discard it).



(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid fraved conductors, was assessed to be a seed to be a



(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

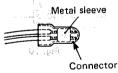
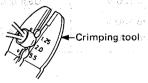


Fig. 5

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(4) As shown in Fig. 6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.



(5) Check the four points noted in Fig. 7.

Crimped at approx. center Not easily pulled free of metal sleeve Conductors extended

Wire insulation recessed more than 4 mm

Fig. 7

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

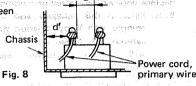
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3 Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

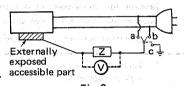


4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.



5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

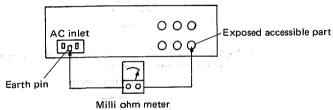


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
500 100 Vac - Addes - 1	ed wayon in grante a lewwantable con	->	AC 1 kV 1 minute	d, d'≧ 3 mm
100 to 240 V	Japan Japan	R ≧ 1 MΩ/500 V DC	AC 1.5 kV 1 minute	d, d'≧ 4 mm
110 to 130 V	USA & Canada		AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V. as	Europe & Australia	R≧10 MΩ /500 V DC	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	d ≥ 4 mm d' ≥ 8 mm (Power cord) d' ≥ 6 mm (Primary wire)

Table 1 Specifications for each region

			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan Lis 1969 1991.	ο— Λ ΛΛ—ο 1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μΓ 1.5 κΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V		o-^^	i ≦ 0.7 mA∶peak bo	Antenna earth terminals
220 to 240 V	Europe & Australia	o	$i \le 0.7 \text{ mA peak}$ $i \le 2 \text{ mA dc}$	Other terminals

Table 2 Leakage current specifications for each region was a second state of the control of the

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

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INSTRUCTIONS

Application of the second seco

For reference, the text of the instruction booklet of this model is reproduced in the following pages.

Numbering of the pages also corresponds with that of the booklet.



Warning Notice FOR YOUR SAFETY (Australia)

- 1. Insert this plug only into effectively earthed three-pin power outlet.
- 2. If any doubt exists regarding the earthing, consult a qualified electrician.
- 3. Extension cord, if used, must be three-core correctly wired

IMPORTANT (In the United Kingdom) Mains Supply (AC 240 V∿, 50 Hz only) WARNING — THIS APPARATUS MUST BE EARTHED

The wires in this mains lead are coloured in accordance with the following code:

GREEN-and-YELLOW:

EARTH

BLUE:

NEUTRAL LIVE

BROWN:

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol $\frac{1}{2}$ or coloured GREEN or GREEN-AND-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or which is coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

POWER SYSTEM

Connection to the mains supply

The operating voltage of this set is preset to 240 $\mbox{V} \sim$ at the factory.

Before connecting to mains, check that the voltage selector on the rear panel is set to the same voltage as your local mains supply.

Adapting to local power line

This set operates on either 100, 120, 220 or 240 V^{\sim} .

If the preset voltage is different from the power line voltage in your area, reset the voltage selector by inserting a screwdriver into the slot of the voltage selector and turning it until the correct voltage is displayed.

This equipment has been produced to comply with Directive number 82/499/EEC.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

To prevent electric shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service personnel.

Note: The rating plate and the safety caution are on the rear of the unit.

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Only cassettes marked "VHS" can be used with this video cassette recorder.

PRECAUTIONS

Handling and storage

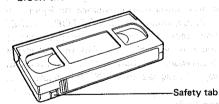
- Avoid using the recorder under the following conditions:
 - extremely hot, cold or humid places,
 - dusty places,
 - near appliances generating strong magnetic fields,
 - places subject to vibrations, and
 - poorly ventilated places.
- Be careful of moisture condensation.

Avoid using the recorder immediately after moving it from a cold place to a warm place or soon after heating a room which was cold. The water vapour in warm air will condense on the still-cold video head drum and tape guides and may cause damage to the tape and the recorder.

- Handle the recorder carefully.
 - Do not block the ventilation openings.
 - Do not place anything heavy on the recorder.
 - Do not place anything which might spill and cause trouble on the top cover of the recorder.
 - Use in horizontal (flat) position only.
- In case of transportation,
 - Avoid violent shocks to the recorder during packing and transportation.
 - Before packing, be sure to remove the cassette from the recorder.

Video cassettes

- The BR-6600E employs VHS-type cassettes only. E-240 for 240 minutes, E-180 for 180 minutes, E-120 for 120 minutes, E-90 for 90 minutes, E-60 for 60 minutes and E-30 for 30 minutes of recording.
- Video cassettes are equipped with a safety tab to prevent accidental erasure. When the tab is removed, recording cannot be performed. If you wish to record on a cassette whose tab has already been removed, use adhesive tape to block the hole.



- Avoid exposing the cassettes to direct sunlight. Keep them away from heaters.
- Avoid extreme humidity, violent vibrations or shocks, strong magnetic fields (near a motor, transformer or magnet) and dusty places.
- Place the cassettes in cassette cases and position vertically.

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FEATURES

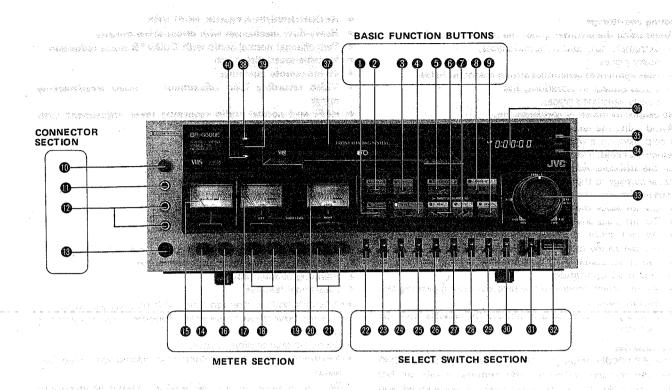
- RECORDING/PLAYBACK Hi-Fi VHS
- Heavy-duty mechanism with direct-drive motors
- Two-channel normal audio with Dolby*B noise reduction
- Variable-speed dial search
- 45-Pin remote capability
- Video recording level adjustment video level/tracking meter
- Hi-Fi and normal audio recording level adjustment with meter

... Jak

- Headphones level control
- Audio limiter switch
- Video AGC ON/OFF switch
- Frame servo ON/OFF switch
- External sync capable
- Repeat playback (B-E, B-000, 000-E)
- Timer recording with external timer
- Audio dub capable (ch-2 only)
- 8-pin monitor TV connector on the rear panel
- RM-P53U remote control unit connector
- Blanking switcher built-in
- Additional features
- Electronic tape counter/lap timer with fluorescent display.
- External hour meter to show the running total of operating hours.
- Electronic tape tension control.
- Condensation detector and built-in condensation prevention heater.
- Warning indicator for any malfunction related to tape transport or condensation.
- BNC video and RCA audio connectors
- Front panel connectors for two microphones and a set of stereo headphones.
- * Dolby and double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

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BASIC FUNCTION BUTTONS

® EJECT button

Press to eject the cassette. This button can be pressed in the Stop mode or immediately after the STOP button has been pressed. The EJECT indicator will flash during automatic unloading of the cassette and then remain lit upon completion of ejection.

Audio dubbing button (AUD. DUB)

Press together with the PLAY button **6** to record audio on a pre-recorded tape. Audio dubbing is possible only for the right-channel. During audio dubbing, the A.DUB and PLAY indicators light. (The PLAY indicator flickers first until tape loading is completed.)

Record button (REC)

Press together with the PLAY button for video and audio recording. Audio is recorded on both channels, if there are input signals for them. The REC and PLAY indicators light during recording. (The PLAY indicator flickers first until tape loading is completed.)

4 STOP button

To stop the tape. When the STOP button is pressed, the tape is unloaded and then the Stop mode is engaged. The STOP indicator flickers during tape unloading and remains lit upon completion of unloading.

6 PLAY button

Press to start playback. The PLAY indicator will light. Press together with the REC button to start recording.

® Rewind button (REW)

Press to rewind the tape inside the cassette. While the tape is being rewound, the REW indicator will light. This button can be pressed in any mode except Record or Eject. To release the Rewind mode, press the PLAY, STOP, PAUSE/STILL or FF button, depending on the mode you want to select next. Pressing this button in the Play or Still mode enables high-speed playback at about 10 times normal in the reverse direction. During search the REW indicator will remain lit.

7 Fast Forward button (FF)

Press to fast forward the tape inside the cassette. While the tape is being fast forwarded, the FF indicator will light. This button can be pressed in any mode except Record or Eject. To release the Fast Forward mode, press the PLAY, STOP, PAUSE/STILL or REW button, depending on the mode you want to select next. Pressing this button in the Play or Still mode enables high-speed playback at about 10 times normal in the forward direction. During search the FF indicator will remain lit.

@ PAUSE/STILL button

Press to stop the tape temporarily during recording or playback. To release the Pause or Still mode, press any button except EJECT corresponding to the mode you wish to enter next.

The still picture is advanced each time this button is pressed.

SEARCH button

Press to change the playback speed instantly to that previously set with the rotary search dial 3.

CONNECTOR SECTION

M PHONES LEVEL control

Turn to adjust the output level of the PHONES jack (1).

PHONES jack

Connect a set of headphones having an impedance of 8 ohms. The signal selected with the AUDIO MONITOR switches ② an be heard.

Microphone jacks (MIC LEFT/RIGHT)

Connect microphones having an impedance of 600 ohms and a sensitivity of -70 dBm.

The microphone input is recorded only onto the normal audio tracks.

(REMOTE)

A JVC exclusive remote control unit may be connected to this terminal.

METER SECTION

M TRACKING control

To remove noise bars during playback, turn this control so that the meter **19** makes its maximum deflection.

TRACKING/VIDEO LEVEL meter

This meter functions as a tracking meter during playback and as a video level meter during recording.

M VIDEO LEVEL control

To adjust the video recording level manually, set the VIDEO AGC switch to OFF and turn this control so that the meter deflects into the green area.

LEFT AUDIO REC LEVEL meter

This meter indicates the level of the left-channel audio signal (playback signal during playback or E-E signal in any other mode).

- 13 Hi-Fi/NORMAL LEFT AUDIO REC LEVEL controls To adjust the left channel Hi-Fi or NORMAL audio recording level, turn these controls so that the meter deflects to "0" with the loudest signal.
- Hi-Fi/NORMAL METER select switch
- @ RIGHT AUDIO REC LEVEL meter

This meter indicates the level of the right-channel audio signal (playback signal during playback or E-E signal in any other mode).

To adjust the right channel Hi-Fi or NORMAL audio recording level, turn these controls so that the meter deflects to "0" with the loudest signal.

SELECT SWITCH SECTION

M Hi-Fi REC select switch

ON: Set to this position to record the Hi-Fi audio signals.

OFF: Set to this position when recording the Hi-Fi audio signals is not desired. (The FM carrier signal will also be cut off)

@ AUDIO LIMITER switch

Set to ON to activate the built-in audio limiter circuit. The limiter circuit can be switched on or off simultaneously for the two audio tracks and manual level control is possible even when the limiter circuit is switched on.

Audio noise reduction switch (NR)

Set to ON to activate the built-in Dolby* noise reduction system to reduce tape hiss.

AUD-1: To hear channel-1 audio.

MIX: To hear a mixture of channel-1 and channel-2 audio. AUD-2: To hear channel-2 audio.

W VIDEO AGC switch

Set to ON to activate the built-in video AGC circuit.

VIDEO INPUT select switch

LINE: Set to this position to record video signals input via VIDEO IN connector

and audio signals input via AUDIO IN (NORMAL/Hi-Fi) connectors

MIC jacks

DUB: Set to this position to record video signals input via DUB IN connector and audio signals input via AUDIO IN (NORMAL/Hi-Fi) connectors or MIC jacks

@ COUNTER REPEAT switch

Automatic repeat playback of specific sections of the tape or automatic search to the counter reading of "0", etc. is possible.

in this position, repeated playback from the counter reading of "0000" to the tape end is possible.

FULL: The tape will be automatically rewound at its end (as usual) and played back repeatedly when it reaches its beginning. The entire tape can be played back again and again automatically.

: In this position, repeated playback from the beginning of the tape to the counter reading of "0000" is possible.

Note:

The marks for switch positions indicate a 4-digit figure (0000). However, the actual counter indication for zero is a 1-digit figure (0).

MAUTO MODE switch

This switch selects automatic operations.

MEMORY: The tape stops automatically when it is rewound or fast forwarded to the point corresponding to the counter reading of "0" and the unit enters the Stop mode.

OFF: No automatic operation.

Be sure to set this switch to OFF when using the BR-6600E as a source player in editing.

COUNTER

REPEAT: See 🐠 .

LOCAL/REMOTE select switch

LOCAL: Set to this position when the recorder is to be controlled with its own function buttons. (With this switch set to the LOCAL position, the remote control unit connected to the rear panel 45-pin or front panel 8-pin REMOTE connector will no function.)

REMOTE: Set to this position when the recorder is to be remote-controlled with the remote control unit connected to the 45-pin or 8-pin REMOTE connector. (No function buttons of the recorder except STOP and EJECT will function when this switch is set to the REMOTE position.)

@ POWER button

Press to turn the power on. The level meters and the counter display will be illuminated. Pressing again will . 1414. PO 1530/14 switch the power off.

Search dial

This search dial becomes operative by pressing the SEARCH button

O

When the dial is set to STILL (centre position), the Still mode is engaged. When the dial is turned clockwise toward FWD, forward playback takes place at a speed corresponding to the dial setting. When the dial is turned counterclockwise toward REV, reverse playback takes place at a speed corresponding to the dial setting. The search speed is continuously variable between 1/15 and 5 times normal in both directions. When the dial is turned fully clockwise or counterclockwise past the 5-times-normal setting, the maximum search speed of about 10 times normal is obtained. If the control mode is changed by any function button, the dial setting remains unchanged; when the SEARCH button 9 is pressed, playback speed and direction corresponding to the dial setting are automatically restored.

Counter reset button (RESET)

Press to reset the tape or lap time counter to zero.

Display mode select button (TAPE/LAP)

The fluorescent display functions as a tape counter with this button in its "out" position. When the button is pressed in, the display changes to a lap time counter. To change back to the tape counter, press the button once again.

Electronic tape counter/Lap time counter/Tape-end warning indicator

This fluorescent display functions as a 4-digit tape counter or a 5-digit lap time indicator, depending on the setting of the display mode select button. In either mode, the display starts flashing 5 to 10 minutes before the tape end during recording. While the tape is being wound in the forward direction, the counter reading advances in the direction of increasing numbers. While the tape is being wound in the reverse direction, the counter reading changes in the direction of decreasing numbers and after zero a "minus" sign appears.

Cassette loading slot

With the POWER button pressed to ON, insert a video cassette with its labelled edge facing toward you. The cassette carriage itself will automatically take control and retract the cassette into the correct loaded position. The lower door flap will show a mark indicating that a cassette is loaded

Audio noise reduction indicator (NR)

Lights when the built-in Dolby* noise reduction system is activated. esventegenoen Volleneeld

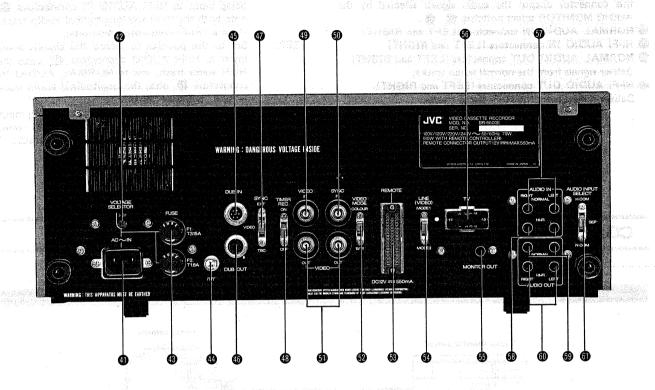
WARNING indicator (WARNING)

If the tape running is in some way incorrect, this indicator starts flashing. The causes may be:

- (1) the moisture condensation sensor is in operation;
- (1) the most are some lamp has blown;
- (3) the head drum does not rotate;
- (4) the eject mechanism does not operate properly;
- the automatic loading and unloading mechanism does not operate properly;
- (6) a tape recorded in the LP (Long Play) mode is played

M Hi-Fi REC indicator

Lights when the Hi-Fi audio signals are being recorded.



- AC input socket (AC IN)
- **O** VOLTAGE SELECTOR

See "POWER SYSTEM" on page 1.

- Fuse holders
- Ground terminal (≟)
- 1 DUB IN connector

Receives signals from the 7-pin dubbing output connector of a source player via the 7-pin dubbing cable.

1 DUB OUT connector

When dubbing from the BR-6600E to a second recorder equipped with a 7-pin dubbing input connector, connect DUB OUT to the dubbing input using the 7-pin dubbing cable.

SYNC SELECT switch

For selecting between different reference sync signals for the servo systems during recording and playback.

EXT: To lock to the external sync signal applied to the EXT SYNC IN connector on the rear panel.

VIDEO: To lock to the incoming video signal of the selected input.

TBC: To lock to the sync signal from a Time Base Corrector (TBC).

With this switch set to TBC, the external subcarrier mode is automatically engaged, and stable still and search pictures will be obtained.

Timer recording select switch (TIMER REC)

Power can be switched on using an ordinary timer. When the switch is set to ON, the recorder starts recording when the preset time is reached and, at the end of the tape, enters the Rewind mode automatically and stops at the beginning of the tape.

O VIDEO IN connector

Input connector for video signals.

External sync signal input connector (SYNC IN)

This input connector accepts an external reference sync signal when the recorder is to be operated in the external sync mode. The external sync signal can be a composite sync signal or a composite video signal.

10 VIDEO OUT connectors

BW:

Output connectors for video signals.

OVIDEO MODE select switch

Select one of the two positions according to the input signal during recording or the output signal during playback. COLOUR: Set to this position when the input or playback yideo signal is a colour signal.

Set to this position when the input or playback video signal is a monochrome signal. A higher

resolution picture will be obtained.

REMOTE control connector (45-pin)

Connect a suitable JVC remote control unit.

LINE (VIDEO) output mode select switch

MODE 1: Set to this position before video-video dubbing.
This improves the resolution of the playback picture in video-video dubbing, and helps maintain the picture quality even after video-video dubbing has been performed several times.

MODE 2: Normally set to this position.

6 MONITOR OUT connector

The audio signals selected by AUDIO MONITOR select switches are output at this connector.

TV monitor connector (8-pin)

Connect a video monitor. The audio output terminals of this connector output the audio signals selected by the AUDIO MONITOR select switches

- 1 NORMAL AUDIO IN connectors (LEFT and RIGHT)
- 6 Hi-Fi AUDIO IN connectors (LEFT and RIGHT)
- NORMAL AUDIO OUT connectors (LEFT and RIGHT) Deliver signals from the normal audio tracks.
- Hi-Fi AUDIO OUT connectors (LEFT and RIGHT)
 Deliver signals from the Hi-Fi audio tracks.

1 AUDIO INPUT SELECT switch

H COM: Set to this position to record the audio signals being input to Hi-Fi AUDIO IN connectors onto both the Hi-Fi and longitudinal audio tracks

- for a "Hi-Fi Combined" recording.

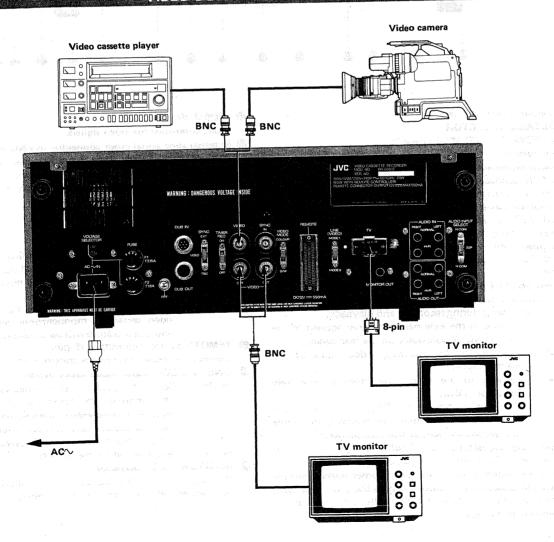
SEP: Set to this position to record the signals being input to Hi-Fi AUDIO connectors onto the Hi-Fi audio track, and to NORMAL AUDIO IN connectors onto the longitudinal audio track

- for a "Separate" recording.

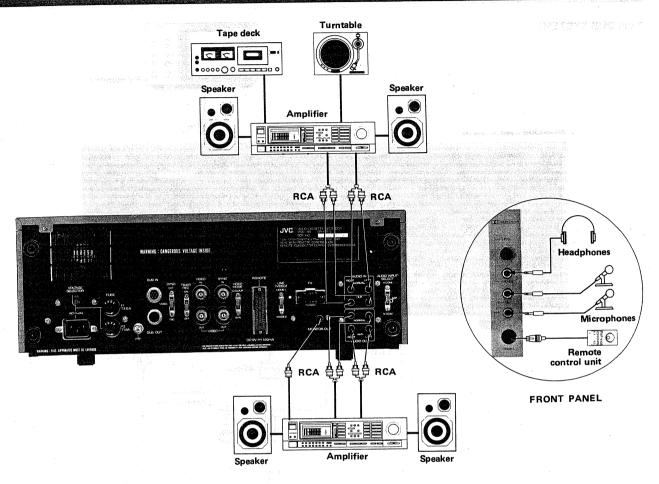
N COM: Set to this position to record signals being input to NORMAL AUDIO IN connectors on onto both the Hi-Fi and longitudinal audio tracks — for a "Normal Combined" recording.

CONNECTIONS

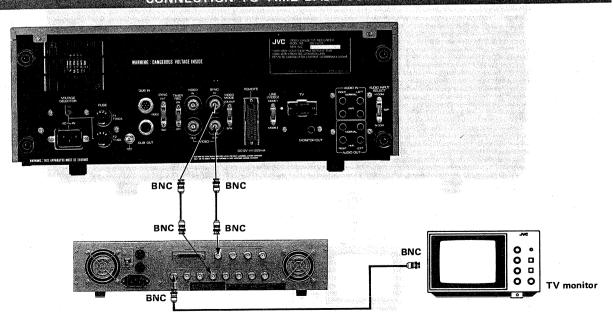
VIDEO EQUIPMENT CONNECTION



AUDIO EQUIPMENT CONNECTION

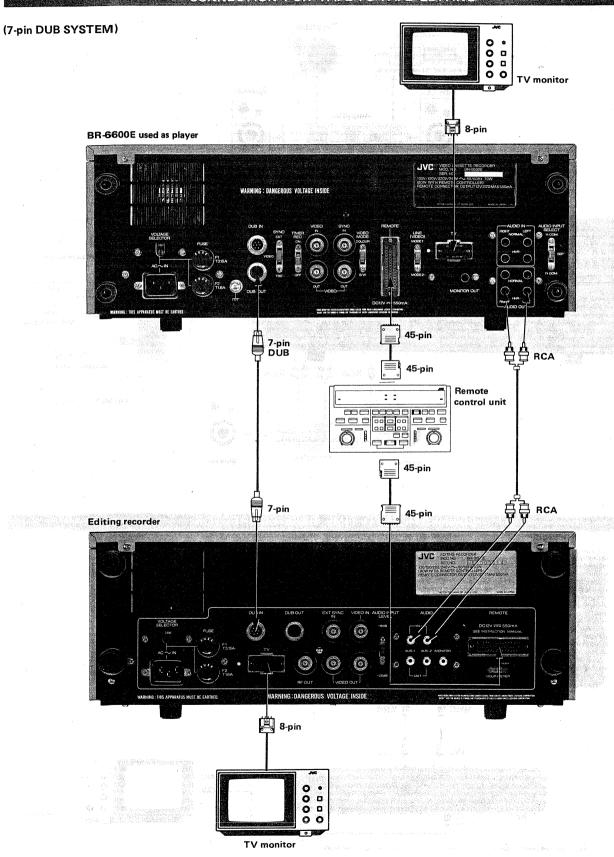


CONNECTION TO TIME BASE CORRECTOR



With a TBC connected, be sure to set the SYNC select switch to TBC.

CONNECTION FOR TAPE-TO-TAPE EDITING



CONNECTION FOR TAPE-TO-TAPE EDITING (VIDEO DUB SYSTEM) 0000 TV monitor 8-pin BR-6600E used as player WARNING: DANGEROUS VOLTAGE INSIDI BNC 45-pin ₽₽ RCA 45-pin Remote control unit 45-pin BNC ₽ RCA 45-pin Editing recorder ARNING: DANGEROUS VOLTAGE INSIDE 🖺 8-pin 0000

TV monitor

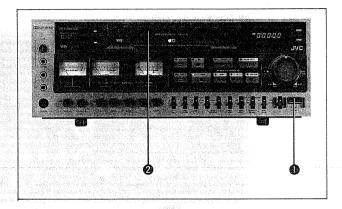
LOADING AND UNLOADING A VIDEO CASSETTE

LOADING

- Press the POWER button to ON. The EJECT indicator will flash.
- After the EJECT indicator stops flashing and remains lit, insert a cassette with its labelled side facing you. The cassette will automatically be retracted and loaded in the correct position.
 - With a cassette inserted, the door flap with the so mark appears to indicate "cassette inserted".
 - The STOP indicator will flash during automatic loading of the cassette and, when it has been correctly loaded, will remain lit.
 - The automatic loading mechanism will operate only when the cassette is inserted correctly.
 - If loading does not result in positioning the cassette correctly, it will automatically be ejected after about 6 seconds.

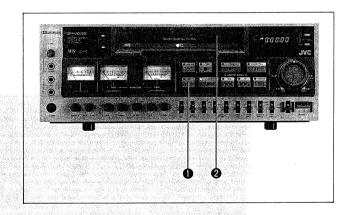
Note:

After unpacking your new recorder the door flap with the "cassette inserted" mark may be displayed. This is not due to any defect of the unit. Simply insert a cassette. After the first loading/unloading cycle, the door will function properly to show the flap without the mark when no cassette is inserted and the flap with the mark when a cassette is inserted.



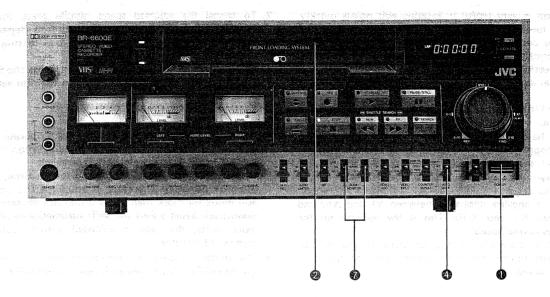
UNLOADING

- Press the EJECT button in the Stop mode. The cassette will automatically be ejected.
- 2 Remove the cassette from the cassette loading slot.
 - The EJECT indicator will flash during automatic unloading of the cassette and then remains lit upon completion of ejection.
 - The EJECT button can be pressed immediately after the STOP button has been pressed. The logic circuit will memorise the sequence; it will first set the recorder in the Stop mode and then automatically change it to the Eject mode.



PLAYBACK

PREPARATIONS



- Press the POWER button to ON.
- Insert a prerecorded video cassette into the cassette loading slot.
- Set the SYNC switch on the rear panel to VIDEO.
 - If an external sync signal is used, set it to EXT.
 - If a TBC is used, set it to TBC.
- 4 Set the AUTO MODE switch to OFF.
- Set the VIDEO MODE switch on the rear panel to COLOUR.
 - If the recorded video signal is monochrome, set it to RAW
- @ Set the LINE (VIDEO) switch on the rear panel to MODE 2.
- If dubbing is expected to be repeated for several generations, set it to MODE 1.

- Set the AUDIO MONITOR switches as follows.
 - Set to NORMAL or Hi-Fi depending on the sound to be checked.
 - Set to AUD-1, AUD-2 or to MIX as required.

Note:

If a video signal is applied to either VIDEO IN connector, playback is locked to this video signal. Therefore, if the sync signal contained in this video signal is not stable, the playback picture will be distored when the SYNC switch is in the VIDEO position. In such a case, reset the switch to INT to engage the internal sync mode.

PLAYBACK

Procedure

- 1. Press the PLAY button. The tape will start running and the playback picture will appear on the monitor screen.
- 2. Press the STOP button to stop playback.

Tracking adjustment

When a tape recorded with a different recorder is played back, noise bars may appear or the picture may be blurred. In such a case, turn the TRACKING control to correct the picture referring to both the monitored picture and the tracking meter (VIDEO LEVEL meter). Optimum tracking is obtained when the meter makes its maximum deflection.

Note:

It is recommended that tracking be checked even when tapes recorded using this unit are played back.

Input monitoring during playback

If you wish to monitor the signal applied to the input connector during playback, press the REC button in the Play mode. The input signal will appear on the monitor screen.

Note:

Do not press the REC and PLAY buttons simultaneously, otherwise the unit enters the Record mode and any recordings on the tape are erased.

DIAL SEARCH & SHUTTLE SEARCH

VARIABLE-SPEED DIAL SEARCH IN BOTH DIRECTIONS

This function is very useful in locating edit points quickly. The search speed is continuously variable between about 1/5 and 5 times normal in both directions. The speed of about 10 times normal is also available when the dial is fully turned in either direction.

- Turn the search dial until the desired search speed is reached.
 - The STILL position (centre click-stop) provides a still picture.
 - Turn the dial clockwise to search in the forward direction; counterclockwise to search in the reverse direction.
 - The X1 click-stop provides normal speed in the forward direction and X-1 give normal speed in the reverse direction.
 - There is another click-stop between X1 and X10 and between X-1 and X-10. This is the position for the 5 times normal speed.
 - The fully clockwise or counterclockwise position corresponds to the maximum search speed of about 10 times pormal.

- To cancel the adjusted speed, simple press the PLAY, PAUSE/STILL, REW, FF or STOP button depending on the mode to be entered next. The dial setting remains unchanged.
 - To enter the dial search mode again, press the SEARCH button. The speed corresponding to the dial setting will be stored instantly.

Notes:

- During search, an extra pair of video heads operate and pick up only odd-number fields of the picture. When the dial is set to X1 or X-1, frame playback is engaged.
- If the Still mode continues for too long a time, the tape could be damaged. Therefore, if you leave the unit in the Still mode for more than about 3 minutes 45 seconds, the video track being traced will shift automatically. After two more shifts, the tape is unloaded automatically (after approx. 12 minutes).
- The search dial does not function for about 2 seconds after the REMOTE/LOCAL switch is reset to REMOTE.

SHUTTLE SEARCH & REW/FF

When the REW or FF SHUTTLE SEARCH button is pressed in the Stop mode, normal rewind or fast forward takes place. When these buttons are pressed in the Play, Search or Still mode, the tape runs at about 10 times normal speed in the corresponding direction. The buttons can be locked and the indicator lights. You can follow the speeded-up picture on the monitor screen.

Note:

The tape counter on the RM-86U remote controller does not function in the normal rewind and fast forward modes.

COUNTER SEARCH, AUTO REWIND & REPEAT PLAYBACK

COUNTER SEARCH

The counter search mechanism functions in conjunction with the tape counter and stops the tape automatically in the Rewind or Fast Forward mode at the counter reading of "0".

- Change the display to the tape counter mode by pressing the TAPE/LAP button.
- Press the COUNTER RESET button at a point which you may wish to locate later.
- 3. Set the AUTO MODE switch to MEMORY.

4. Press the REW or FF button when you need to return to the designated point. The tape will stop automatically at the counter reading of "0".

Notes

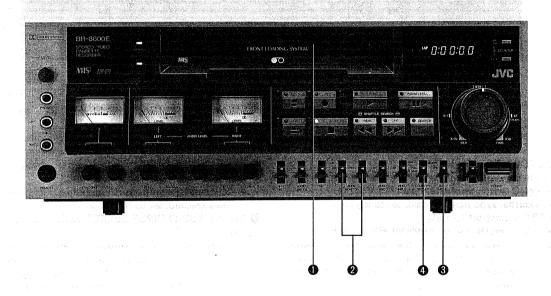
- The counter search mechanism does not function in the Shuttle Search mode.
- The tape may stop at a position slightly deviating from the counter reading of "0".

AUTO REWIND

When the tape reaches its end in the Play or Record mode, it is automatically rewound to the beginning and then the Stop mode is engaged. The counter search mechanism functions automatically while the tape is being rewound. If the

tape reaches its end in the Fast Forward mode, the auto rewind mechanism does not function and the Stop mode is engaged immediately.

REPEAT PLAYBACK



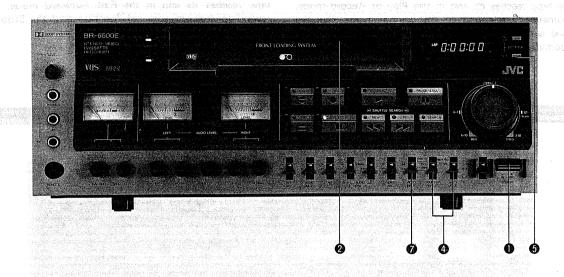
- Load a pre-recorded cassette.
- 2 Set the AUDIO MONITOR switches as follows.
 - Set to NORMAL or Hi-Fi depending on the sound to be checked.
 - Set to AUD-1, AUD-2 or to MIX as required.
- 3 Set the AUTO MODE switch to COUNTER REPEAT.
- 4 Set the COUNTER REPEAT switch as required.
- : In this position, repeated playback from the counter reading of "0000" to the tape end is possible.
- FULL: The tape will be automatically rewound at its end (as usual) and played back repeatedly when it reaches its begging. The entire tape can be played back again and again automatically.
- : In this position, repeated playback from the beginning of the tape to the counter reading of "0000" is possible.

Note:

The marks for switch positions indicate a 4-digit figure (0000). However, the actual counter indication for zero is a 1-digit figure (0).

RECORDING

PREPARATIONS



- Press the POWER button to ON.
- 2 Insert a video cassette into the cassette loading slot.
- Set the SYNC switch on the rear panel to VIDEO.
 - If an external sync signal is used, set to EXT.
 - If a TBC is used, set to TBC.
- 4 Set the AUTO MODE switch to MEMORY or OFF.

MEMORY: In this position, if the tape end is reached during recording, the tape is automatically rewound to the counter reading of "0" and stops.

OFF: No automatic operation.

- Reset the tape counter by pressing the COUNTER RESET button.
 - If a microphone is connected to either MIC jack, the input from the corresponding AUDIO IN connector is automatically switched off.
- 6 Set the VIDEO MODE switch on the rear panel to COLOUR.
- If the input video signal is monochrome, set it to B/W.
- Set the VIDEO INPUT select switch as required.

LINE: To record the video signal from a source connected to the VIDEO IN connector together with the audio signals from the AUDIO IN (NORMAL or Hi-Fi) connectors or MIC jacks.

DUB: To record the video signal from a source connected to the DUB IN connector together with the audio signals from the AUDIO IN (NORMAL or Hi-Fi) connectors or MIC jacks.

 If a microphone is connected to either MIC jack, the input from the corresponding AUDIO IN connector is automatically switched off.

- Set the LINE (VIDEO) select switch on the rear panel to MODE 1.
 - If several generations of dubbing of the recorded picture are expected, set to MODE 2.
- Set the AUDIO INPUT SELECT switch on the rear panel as required.
 - H COM: Set to this position to record the audio signals being input to the Hi-Fi AUDIO IN connectors onto both the Hi-Fi and longitudinal audio tracks for a "Hi-Fi Combined" recording.
 - SEP: Set to this position to record the signals being input to the Hi-Fi AUDIO connectors onto the Hi-Fi audio track, and to the NORMAL AUDIO IN connectors onto the longitudinal audio tracks for a "Separate" recording.
 - N COM: Set to this position to record signals being input to the NORMAL AUDIO IN connectors both the Hi-Fi and longitudinal audio tracks for a "Normal Combined" recording.

RECORDING LEVEL ADJUSTMENTS



Video level adjustment

- For automatic level control, set the VIDEO AGC switch to ON
- For manual level control, set VIDEO AGC to OFF and turn the VIDEO LEVEL control so that the VIDEO LEVEL meter deflects into the green zone while applying the video signal to be recorded.





Audio level adjustment

- Turn the AUDIO REC LEVEL controls (Hi-Fi and NOR-MAL, RIGHT/LEFT) until the AUDIO meters deflect to "0" with the loudest signals. This is the standard adjustment of the audio recording level.
- Set the AUDIO LIMITER switch to ON to avoid eventual over-level recordings.

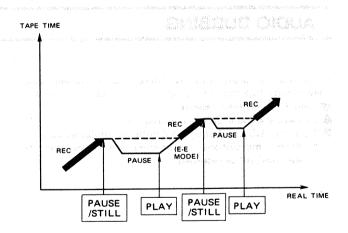
RECORDING

- Press the REC and PLAY buttons simultaneously. The Record mode will be engaged and both the REC and PLAY indicators will light.
- 2. Press the STOP button to stop recording.

RECORD-PAUSE & ASSEMBLE RECORDINGS

Recording can be stopped temporarily and restarted without detectable distortion in the picture.

- Press the PAUSE/STILL button during recording. Recording will be stopped with the REC indicator still lit. The tape is automatically rewound by about 2.5 seconds of program time and stops in the Record Pause mode with both the REC and PAUSE/STILL indicators lit. The E-E picture will appear on the screen. When the PAUSE/STILL button is pressed again in this state, the picture recorded immediately before can be seen as a still picture.
 - If recording is restarted immediately after the still picture appears, the top portion of the picture at the edit point may be skewed.
- 2. To restart recording, press the PLAY button. The tape will be played back for about 2.5 seconds (the picture on the screen is not the playback picture, but the input signal to be recorded) and the mode will switch automatically from playback to recording at the point where the PAUSE/ STILL button was pressed.



TIMER RECORDING

If you use an appropriate timer unit, signals from sources connected to the INPUT connectors can be recorded automatically at a preset time.

- Load a cassette.
- 2 Set the AUTO MODE switch to OFF.

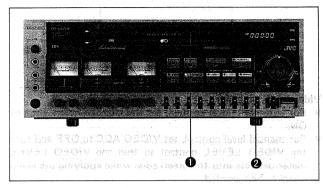
Note:

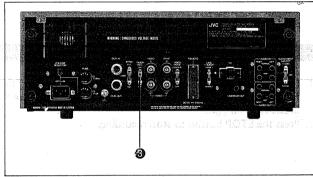
The marks for switch positions indicate a 4-digit figure (0000). However, the actual counter indication for zero is a 1-digit figure (0).

- Set the TIMER REC switch to ON.
 - There is no need to press the REC and PLAY buttons to engage the Recording Standby mode.
 - When the tape reaches its end during timer recording, the tape is automatically rewound to the beginning and stops.

Notes:

- As mentioned above, automatic rewinding starts at the end of the tape. Therefore, do not set the timer in such a way that it will switch off power during the process of rewinding.
- To cancel the timer recording mode, set the POWER switch to OFF and the TIMER switch of OFF. Then set the POWER switch to ON.
- When the protection tab of the cassette has been removed, timer playback will take place instead of recording.

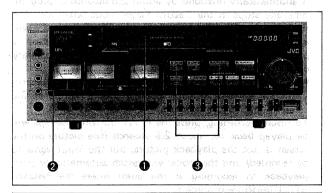


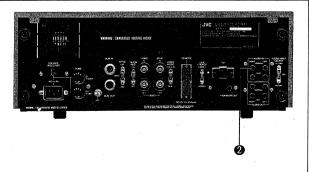


AUDIO DUBBING

If you wish to record only NORMAL RIGHT-channel audio while playing back the pre-recorded tape, proceed as follows:

- 1 Load a pre-recorded cassette.
- 2 Connect a sound source as required.
- 3 Press the AUD. DUB and PLAY buttons simultaneously.
 - When a microphone is connected, the source from the MIC jack will be recorded.





REFERENCE SYNC SIGNALS FOR RECORDING AND PLAYBACK

ing and playback differs as illustrated below, depending on applied to the input terminals.

The reference sync signal for the servo systems during record- the setting of the SYNC switch and the presence of the signals

Presence of input signal	SELECT switch	EXT	VIDEO	B. BOSH BE	अवस्था स्थापत्र हैं। स्थाप स्थाप
EXT-SYNC	VIDEO	kija ja liugus kulended *			
0	0	EXT	VIDEO	EXT	
0	X	EXT	INT	EXT	
X	0	VIDEO	VIDEO	state VIDEO	•
X	×	INT	INT	INT	

O: Input signal present

X: No input signal

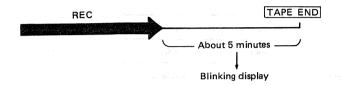
INPUT SELECT switch → LINE

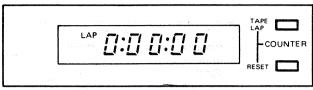
WARNING INDICATORS

TAPE-END WARNING

Tape-end warning is given only during recording.

 The counter display starts blinking about 5 minutes before the end of the tape during recording.

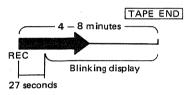




Notes:

- The timing of tape-end warning differs slightly depending on the type of cassette.
- With an EC-30 compact video cassette (in its adapter), tapeend warning does not function.

 If recording is started with a cassette with a remaining tape time of only 5 minutes or so, the display starts blinking about 27 seconds after recording has started.



MALFUNCTION WARNING

The WARNING indicator shows several different malfunctions by different blinking intervals.

If it blinks with an interval of 0.6 sec,

- there may be something wrong with the tape transport, or
- the head drum is not rotating.

If it blinks with an interval of about 1.3 sec,

- the tape cannot be unloaded, or
- the tape-end sensor lamp has blown.

If it blinks with an interval of 0.8 sec,

- there is condensation inside the recorder.
- a tape recorded in the EP mode is played back.



Other warnings.

- If tape loading cannot be completed within 5 seconds, tape unloading takes place.
- If the cassette cannot be ejected within 7 seconds, the eject mechanism stops operating.

SECTION 1 DISASSEMBLY

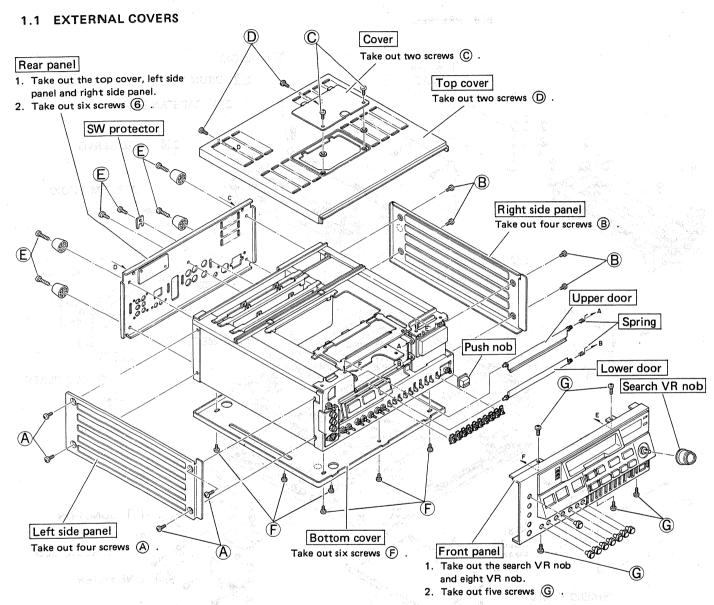


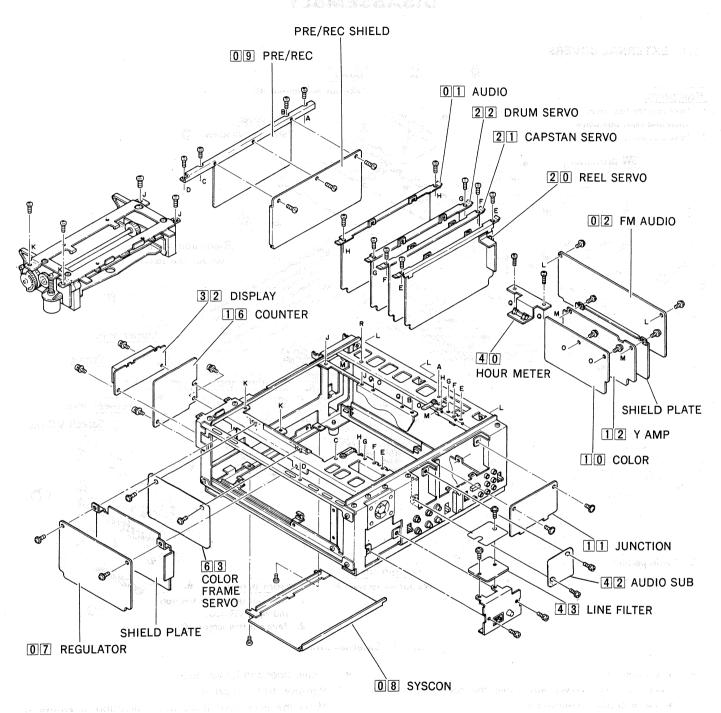
Fig. 1-1 External covers

- Top cover
- 1. Take out two screws and move the top cover in the arrow direction to remove it.
- Front panel
- 1. Remove the top cover first.
- 2. Take out five screws and move the front panel in the arrow direction to remove it.
- Bottom plate
- 1. Take out six screws and move the bottom plate in the arrow direction to remove it.
- Rear panel
- 1. Remove the top cover and both side panels.
- 2. Take out six screws and move the rear panel in the arrow direction to remove it.

- Upper door and Lower door
- 1. Remove the front panel.
- 2. Move the lower door in the arrow direction to remove it.

 Use care regarding the spring.
- 3. In the same manner, move the upper door in the arrow direction to remove it. Use care regarding the spring.
- 4. When reassemble the doors, perform the following:
 - 1) Observe the upper door and recognize the mark on the gear portion.
 - 2) Set the long straight part of the spring toward the upper door.
 - Install the upper door in the state with the mark corresponding with the mark of the upper door opener on the cassette housing.

1.2 CIRCUIT BOARD ASSEMBLIES



ethans, and some age of Fig. 1-2 Circuit boards

1.3 BR-6600E DIP SWITCHES

System control board

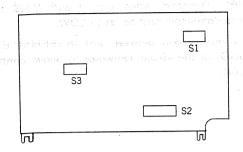


Fig. 1-3 DIP switch locations

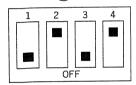
1. Access

Position the set with the rear panel downward and remove the bottom panel. Take out 2 screws at the upper cornears of the circuit board and open the board outwards.

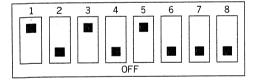
The DIP switch locations are illustrated in Fig. 1-3. When shipped from the factory, the DIP switches are set as indicated in Fig. 1-4.

2. DIP switch settings





DIP switch (2)



DIP switch (3)

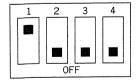


Fig. 1-4 DIP switch settings

1.3.1 S1

1. S1-1

Set to OFF.

2. S1-2 (REC ENABLE)
Set to ON to allow Recording mode entry.

3. S1-3 Set to OFF.

 S1-4 (WARNING ENABLE)
 Set to ON to allow reel, capstan and drum warning functions.

1.3.2 S2

1. S2-1 (DIRECT SEARCH ENABLE)

Set to ON to permit control of Search direction and speed from the SEARCH dial.

2. S2-2 (DIRECT EJECT ENABLE)

Unloading is performed in preparation for Eject.

3. S2-3 (AUTO REW ENABLE)

After detection of tape end, unloading is performed and the Rewind mode is entered.

4. S2-4

Set to OFF position.

5. S2-5 (LONG STILL ENABLE)

Long Still is performed as indicated in Table 1-1.

LONG STILL:

1st Step: After 3 minutes 45 seconds elapse,

tape is transported in forward direction at 1/15th speed for 1 second.

2nd Step: After 7 minutes 30 seconds elapse,

tape is transported in forward direction at 1/15th speed for 1 second.

3rd Step: After 12 minutes 15 seconds elapse,

unloading is performed.

Table 1-1 Long still operation

6. S2-6, 2-7, S2-8 Set to OFF positions.

1.3.3 S3

1. S3-1

Set to ON position

2. S3-2

Set to OFF position.

3. S3-3, S3-4

These can be used to set the Preroll time as indicated in Table 1-2 and Fig. 1-5. Perform setting while power is supplied (POWER switch ON).

Preroll Time	S-3 setting	S3-4 setting
2.4 seconds (standard)	OFF	OFF
0.5 second	OFF	ON
3.0 seconds	ON	OFF
5.0 seconds	ON	ON

Table 1-2 Perroll time setting

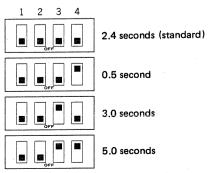


Fig. 1-5 Preroll time setting

■ Pre/Rec board

Vertical pulse switch

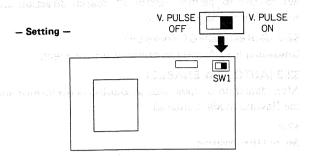


Fig. 1-6 V. pulse switch

In the Search and Still modes, vertical instability may occur with some types of monitor-TV. Setting this switch to ON adds a synthesized vertical sync pulse during Search and Still for improving stability.

However, when a time base corrector (TBC) is connected, this V sync pulse may interfere with proper operation. Therefore, set this switch to OFF when a TBC is connected.

1.4 RM-70U CONNECTION

The RM-70U Remote Controller is designed for use with 3/4" VCR's. Therefore, when using it with VHS models, the Remote Command must be set to LOW.

Connect a shorting wire between pins 15 (REMOTE CMD) and 1 (GND) of the 45-pin connector to allow connecting the RM-70U.

1.5 RM-P54U CONNECTION

The Search mode is not produced if the RM-P54U is connected to this model

SECTION 2 MECHANICAL ADJUSTMENT

2.1 GENERAL

The adjustments described in this section are those which can be performed by a qualified service technician. Those which require highly specialized equipment and training are omitted.

Proper maintenance and inspection are important both for ensuring top performance and preventing damage to the tape. Note that the required jigs must be employed when specified in the adjustment steps.

2.1.1 Precautions

- IMPORTANT
- Always turn the power off before removing or soldering components.
- When removing a screw from the chassis, be careful not to drop it into the mechanism. If a screw should be dropped, be sure to retrieve it.
- 3. Be extremely careful not to damage either the upper or lower head drum assemblies.
- The tape transport mechanism has been precisely adjusted at the factory and ordinarily does not require readjustment.

- When removing a part, be very careful not to damage or displace other parts. (Be especially careful with the guide poles and rotary video head drum.)
- 6. To check the mechanism without the cassette tape, disable the photo transistor sensors by covering them with opaque material. After completing checks and repairs, be sure to remove the covers.
- 7. Place a suitable weight on the cassette when operating without the housing.
- 8. To open the protective door of the cassette, press the small locking tab at the upper right corner of the cassette and open the hinged door manually. Since the tape becomes exposed, use care not to damage or soil it.

2.2 REQUIRED JIGS AND TOOLS

For proper mechanical adjustment, the following jigs and tools are strongly recommended. Without them, a long trial-and-error period would be necessary.

In addition, general-purpose tools and a set of metric hex keys (not supplied by JVC) are required.

The hex keys needed for this model are 1.5 and 2.4 mm in size.

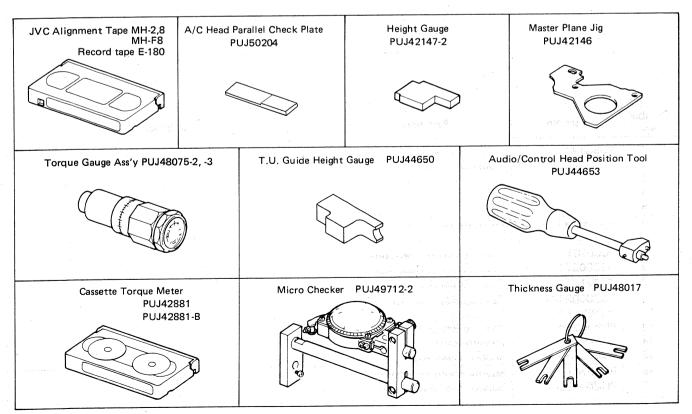


Fig. 2-1 Jigs and tools

2.3 LAYOUT OF MAIN MECHANICAL PARTS

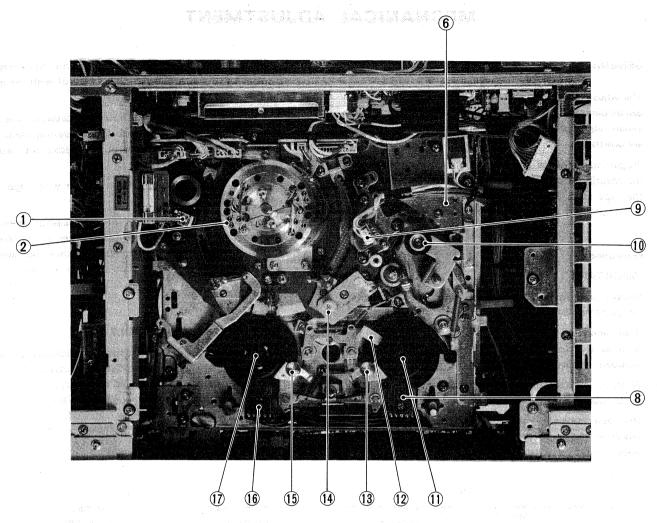


Fig. 2-2 Top view

Symbol No.	Part No.	Part Name	Description
1	PU54397	Full Erase Head	
2	PRD20022C	Upper Drum Ass'y	and the second of the second o
3	1000 <u>fel</u> l 1000	_	
4	_	<u> </u>	
5		_	A state of the sta
6	PGZ00093	Pinch Roller Solenoid	
7			
8 9	PU55701	Take-up Photo Interrapter	
9	PGZ00271	Audio/Control Head Ass'y	
10	PQ40137A	Pinch Roller Ass'y	
11	PGZ00094A-1	Take-up Reel Disk Ass'y	the state of the s
12	PU50547A	B.T. Lever Ass'y	No.
13	PU50535B	Take-up Brake Ass'y	
14	GL-450V	Cassette LED	
15	PU50535A	Supply Brake Ass'y	Awar San
16	PU55701	Supply Photo Interrapter	
17	PGZ00095A-1	Supply Reel Disk Ass'y	

Table 2-1

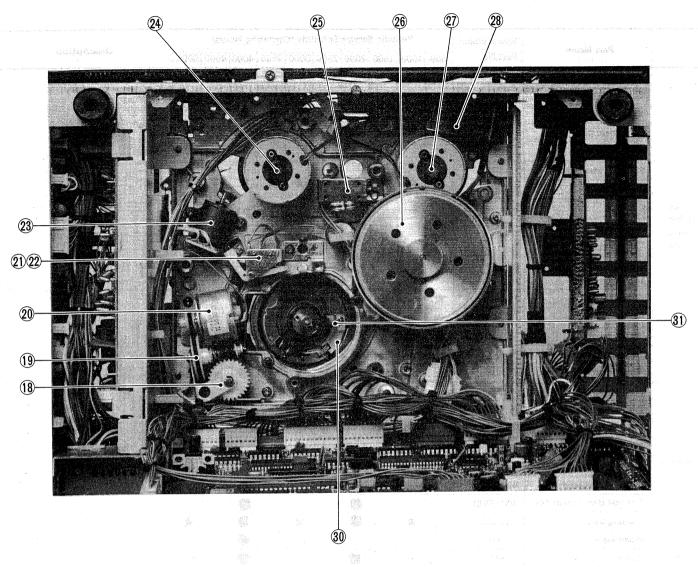


Fig. 2-3 Bottom view

Symbol No.	Part No.	Part Name	agent said of the water	Description
18	PGZ00032A-1	Loading Drive Gear Ass'y	Incl. 19 and 20	
19	PU50350	Loading Belt		
20	PU52745A	Loading Motor Ass'y		
21	QSM1S11-211	After Loading Switch	Chassis side	
22	· " -211	Unloading Switch		
23	PGZ00031	Differential Transformer Ass'y		
24	PU50531-2	Supply Reel Motor		
25	PGZ00091	Back Tension Solenoid		
26	PGZ00026-001-1	Capstan Motor		
27	PU50531	Take-up Reel Motor		
28	PGZ00092	Brake Solenoid	·	
29		<u></u>		
30	PRD20003D	Lower Drum Ass'y	·	
31	PGZ00137-2	Brush Ass'y		

Table 2-2

2.4 PERIODIC MAINTENANCE

		Replacement	lacement Periodic Service Schedule (Operating Hours)										
	Part Name	Part No.	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	Description
	Tension pole	100	1000			77		T Guidelea i		made the second			materials conserved the second
	SUP slant pole			1.54		31478223							
	SUP guide roller			The contract of the contract o									
	SUP guide pin												
	SUP guide pole												
	SUP impedance roller											31	
	SUP brake		*	*	*	*	*	*	*	*	*	*	
Tape	Capstan				11.00	1000		en e					
trans-	T.U brake						200		1				
port system	T.U guide roller												
	T.U slant pole	†							e notice de	G-100	a Kajawa		
	T.U guide pole	183, 183, 183					3.979					100	
	Full erase head	PU54397	*	*	*	*	*	*	*	*	*	•	
	A/C head ass'y	PGZ00271	*	*	*	•	*	*	*	•	*	*	
	Upper drum ass'y	PRD20022C	*	•	*	•	*	0	*	•	*	•	
	Lower drum motor ass.y	PRD20003D	*	*	*	*	*	*	*	*	0	•	
	Pinch roller	PQ40137A	*	*	*	•	*	*	*	•	*	*	
	SUP reel motor	PU50531-2	148		Suff.	•	1.00 T 18		10.00	•		4.5	
	T.U reel motor	PU50531		1	100	•				•			
	Capstan motor ass'y	PGZ00026-001-1		77.3		(), () () () () ()				•	10-7-10-2 10-20-2	•	
Drive	Cassette housing motor	PQ40090A	\$ 14.5		NAME OF STREET	1,45	Benan F		0.00			•	
system	Loading motor	PU52745A			V4 45.			1000000				•	
	S. reel disk rubber tire	40033400				•			er och per	•		alberra s	
	T.U reel disk rubber tire	40033400				•				•			
	Loading belt	PU50350		*				*		•		*	
	Brush ass'y	PGZ00137-2								•			
Others	Commutator ass'y	PQ41596A				•				•			
	Hour meter	PU44629		•		•		•		•			

Note: Upper drum life is influenced by the operating conditions.

Key to abbreviations: ★ : Cleaning

○ : Check

• : Replacement

Table 2-3 Periodic maintenance

2.5 MAIN ASSEMBLY REPLACEMENT

As necessary to allow replacement, remove external coverse, circuit boards, shield covers, cassette housing, etc.

2.5.1 Cassette housing and cassette motor

Note: Avoid operating the slide plate within with fingers, etc. when dismounting the cassette housing without using a cassette. Danger is involved when the reinforcement touches the roof plate at the time of cassette loading.

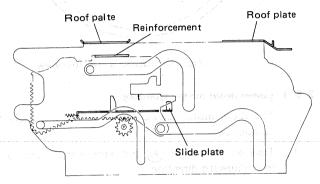


Fig. 2-4 Cassette housing

- [A] Cassette housing removal
- Disengage the connector from the cassette housing
- 2. Remove the cassette housing in the upward direction while the position of slanting the panel toward you.
- 3. Take out the four screws (1) and the two screws used with the front panel up mounting.

Note: To operate mechanism after removal of the cassette housing, refer to "Mechanism functions".

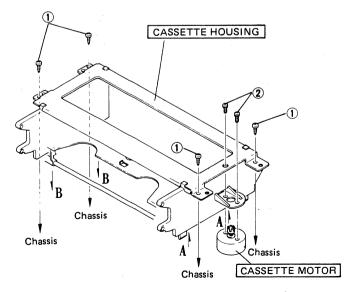


Fig. 2-5 Cassette housing removal

- Mechanism functions
- Put the cassette housing on the hinter bracket with the surface downward as shown in Fig. 2-6. At this time, do not disengage the connector from the cassette housing board.
- Insert a cassette into the housing. The housing mechanism functions to retract the cassette.
- 3) Since the required sensors are contained within the housing, after the cassette has been retracted, the desired modes can then be set by using the operation swithes.

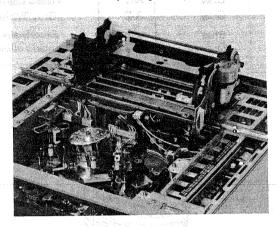


Fig. 2-6 Mechanism functions

- [B] Cassette motor
- Remove the cassette housing. Unsolder the two wires from the cassette motor.
- 2. Take out two screws (2) and remove the cassette motor.
- 3. Replace the cassette motor and reassemble by reversing the above steps. Use care regarding the motor wires polarity.

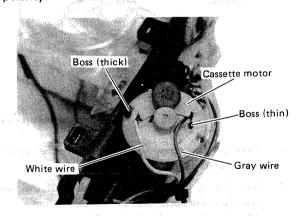


Fig. 2-7 Cassette motor wiring

2.5.2 Upper drum

 Unsolder the twelve wires connecting the lower drum from the relay pins of the upper drum (perform quickly to avoid damaging the wires).

Relay Pin Color	Channel	Wire Color Inner/Outer				
Brown	V-1	Brown/Green				
Red	V-2	Red/Clear				
Gray	A-1	Violet/Light green				
Gray	A-2	Gray/White				
Blue Orange	V-1' V-2'	Blue/Black Orange/Yellow				

Table 2-4 Upper drum wiring

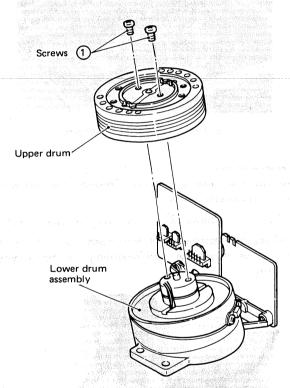


Fig. 2-8 Upper drum replacement

- 2. Take out two screws 1 and remove the upper drum in the upward direction.
- Use alcohol to clean the lower face of the new upper drum and the upper face of the lower drum.
 When handling and installing the new upper drum, avoid directly touching the video heads and use care not scratch the drum.
- Reassemble by reversing the above steps. When resoldering, observe the correct channels (refer to Table 2-4) and avoid overheating the wires.
- After completion of replacement, perform the following upper drum eccentricity adjustment (refer to section 2.5.4).

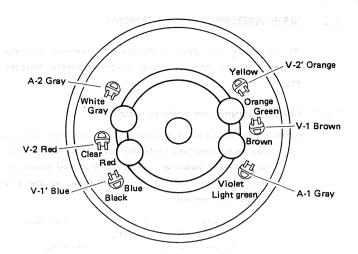


Fig. 2-9 Upper drum top view

2.5.3 Lower drum motor assembly

The drum motor, cannot be replaced as a single motor component.

- 1. Take out the screws (A) and remove the drum assembly, in the upward direction.
- 2. Remove the upper drum assembly.
- Replace a new lower drum motor assembly, reassemble by reversing the above steps. Use care not to damage the assembly.
- 4. After completion of replacement, perform the following upper drum eccentricity adjustment (refer to section 2.5.4)

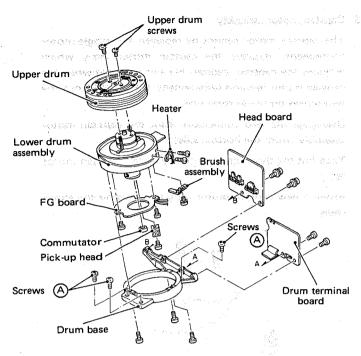


Fig. 2-10 Lower drum motor assembly

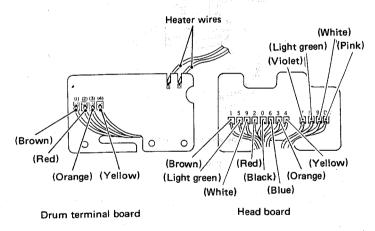


Fig. 2-11 Drum terminal board and Head board

2.5.4 Upper drum eccentricity

- If the upper drum is mounted even slightly out of center with respect to the drum shaft, relative head-to-tape speed becomes inconsistent within the rotation period of the upper drum. This can cause jitter and picture distortion.
- After the upper drum is replace, perform the following adjustments.
- 1. Set the operation preset and then set for the Play mode.
- 2. After completion of loading, switch off the power.
- Set the micro-checker (PUJ49712-2) on the guide pin as shown in Fig. 2-12. Use the accessory hex wrench (metric) to tighten the fixing screw.

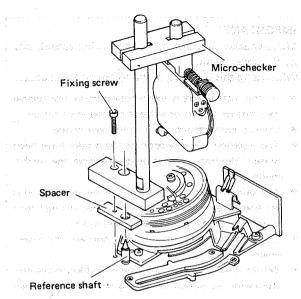


Fig. 2-12 Micro-checker mounting

- 4. Gradually turn the fine adjust knob clockwise so that the dial indicator registers zero on the scale. Adjustment of ±10 scale divisions is possible on the outer frame, but do not turn more than that.
- 5. While using care not to apply lateral pressure to the drum, slowly turn the upper drum and read the deviations indicated by the micro checker.

 Check for needle deflection within 2 microns (±1)

microns).

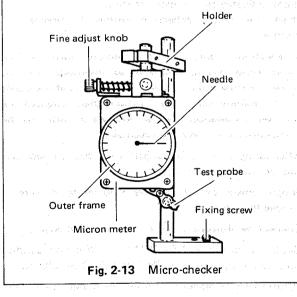
- 6. If deviation is greater than 2 microns, turn the fine adjust knob counterclockwise to disengage the test probe from the drum. Loosen the 2 screws of the upper drum, carefully adjust the position, then retighten the 2 screws in a balanced manner. Afterwards, again use the micro-checker to check the eccentricity.
- 7. After using, turn the fine adjust knob counterclockwise and remove the micro-cheker.
- 8. Supply power and set for the Stop mode. Be sure to remove the cover.
- 9. Connect oscilloscope to TP-7 of the Pre/Rec board.
- 10. Gradually turn the TRACKING control and confirm simultaneously maximum CH-1 and CH-2 waveforms.
- 11. If difference is obvious, remove the upper drum, clean the bottom face of the upper drum and the lower drum flywheel. Reinstall and repeat above steps 1 to 10.

IMPORTANT:

Micro-checker is a test jig for measuring eccentricity of the upper drum.

When using this jig, observe the following precautions.

- As the instrument is extremely precise, use special care not to drop it or subject to strong vibration.
- Do not apply strong force to the test probe.
- The position and direction of the holder have been preset. Do not readjust or disassemble the instrument.
- The outer frame of the scale can be turned about 10 scale divisions in either direction. Do not turn it forcibly (force greater than 300 g-cm).
- Use care that the jig does not contact the video heads.
- Before mounting, turn the fine adjust knob counter clockwise (to where the spring tension is no longer falt)
- When mounting, observe that the test probe movement direction is toward the center portion of the upper drum.
- If an abrasive sound is heard during measurement, check for dust or grit adhering to the test probe or drum face.
- Do NOT apply power while the jig is installed.



2.5.5 Capstan motor assembly

The capstan motor cannot be replaced as a single motor component. Replace the capstan motor ass'y which includes the capstan, capstan FG and flywheel when the capstan motor requires replacement. Do not take out the two screws on the buttom side.

- 1. Disengage the two connectors from the capstan motor assembly (from the bottom side).
- Take out the three screws and remove the capstan motor ass'v.
- Install a new capstan motor ass'y by reversing the above steps.

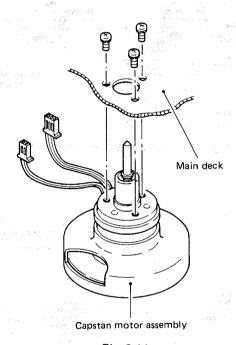


Fig. 2-14

2.5.6 Supply reel motor

Note: As the setscrew position is under the reel disk, it's a little bit tough to loosen the screw due to the front panel obstruction.

Front panel removement might be recommended.

- 1. Remove the cassette housing ass'y (section 2.5.1).
- 2. Take out the screw and E-ring then remove the supply reel FG board and supply brake temporarily.
- 3. Loosen the setscrew with 1.5 mm hex, wrench and remove the supply reel disk ass'y in the upward direction.
- 4. Disengage the connector, from the reel motor (from the bottom side).
- 5. Take out the four motor screws and remove the supply reel motor.
- 6. Install a new supply reel motor and reassemble by reversing the above steps.
- 7. Perform the reel disk height adjustment (section 2.6.2).

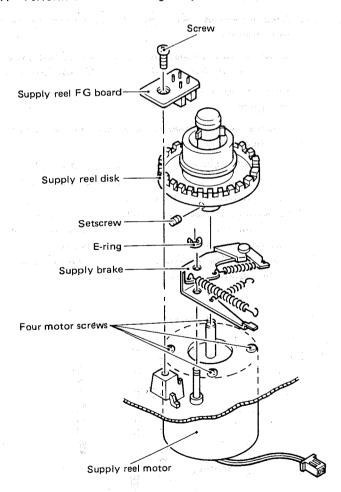


Fig. 2-15

2.5.7 Take-up reel motor dystration in an arms grapher.

Note: Before loosen the setscrew of takeup reel desk, the right side panel and the regulator PWB would be removed due to loosen the screw easier.

- 1. Remove the cassette housing ass'y (section 2.5.1).
- 2. Take out the screw and two E-rings, then remove the take-up reel FG board, loading tension lever and take-up brake temporarily.
- 3. Loosen the setscrew and remove the take-up reel disk ass'y in the upward direction.
- 4. Loosen the two screws and temporarily remove the brake solenoid.
- 5. Disconnect the connector from the take-up reel motor.
- Take out the four screws and remove the take-up reel motor.
- 7. Install a new take-up reel motor and reassemble by reversing the above steps.
- 8. Perform the reel disk height adjustment (section 2.6.2).

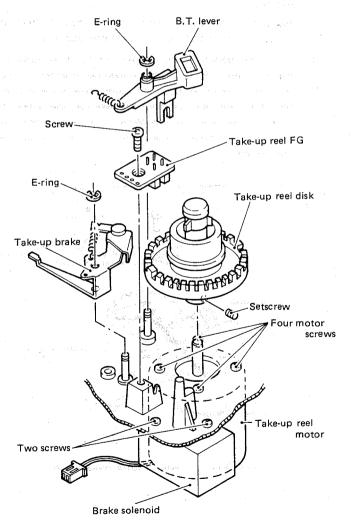


Fig. 2-16

2.5.8 Loading drive gear assembly/loading motor

Note: Before replacing the loading motor, carefully sees observe its mounting condition (particularly wire polarities, positioning and clamping).

- 2. Unsolder the wires from the motor terminals.
- 3. To replace loading drive gear assemblies, place a new assembly by reversing the above steps and proceed to 7 below and after. In case of motor replacement, proceed to 4 below.
- 4. Disengage the belt from the pulley, take out the two screws (B) and remove the motor from the loading gear assembly.
- 5. Loosen the setscrew and remove the motor pulley.
- 6. Place a new loading motor and reassemble by reversing the above steps. At the time, use care as to wire polarities. Use a 0.5 mm thickness gauge to mount the motor pulley.
- 7. Move the pole base on the subdeck by hand to the loading end position and install the loading gear assembly.
- 8. Turn the loading motor pulley by hand to move the loading ring slightly in the unloading direction. Check for equal spacing between the supply pole guide and supply pole base, and between the take-up pole guide and take-up pole base. See Fig. 2-18. If not equal, the loading gear ass'y mounting position is incorrect. Repeat the above step 7.

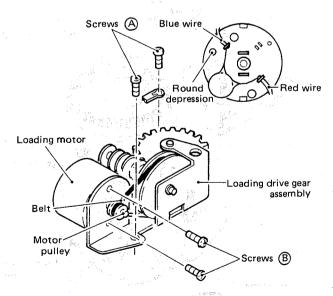


Fig. 2-17 Loading motor replacement

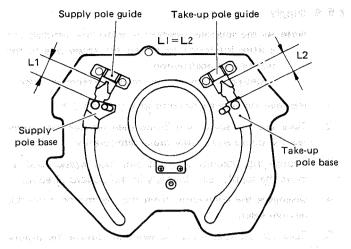


Fig. 2-18 Loading ring check

2.5.9 Audio/control (A/C) head assembly

1. Take out screws (A), (B) and (C) to remove the A/C head assembly.

Note: Use care so that the coil springs do not come off from the bottom side of the A/C head assembly.

- 2. Remove the A/C head circuit board. Use care not to damage the wires.
- 3. Repalce the A/C head subassembly and reassemble by reversing the avove steps.
- 4. Perform the following checks and adjustments.
 - 1) Audio/control head parallel (refer to section 2.6.11)
 - 2) Tape transport (refer to section 2.7)
 - 3) Audio/control head height (refer to section 2.8.4)
 - 4) Audio/control head azimuth (refer to section 2.8.5)
 - 5) Audio/control head position (refer to section 2.8.7)
 - 6) Interchangeability adjustment (refer to section 2.8.2)
 - 7) Audio adjustment (refer to section 3.9).

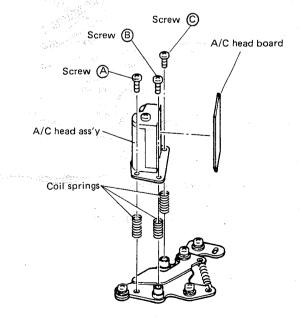


Fig. 2-19 A/C head replacement

2.6 CHECKS AND ADJUSTMENT

2.6.1 Master plane jig setting

- 1. Remove the cassette housing assembly.
- As shown in Fig. 2-20, position the master plane jig with respect to the reference shaft, pinch roller shaft and the stud.

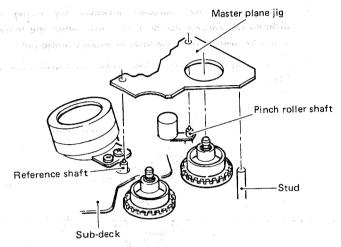


Fig. 2-20 Master plane jig setting

2.6.2 Reel disk height

- 1. Set the master plane jig.
- Use the height gauge (PUJ42147-2) to confirm that the reel disk height. Measure at 2 places 90° apart. When measuring, press the reel disk downward to compensate for mechanical play.
- 3. The correct height is between planes A and B, as shown in Fig. 2-21. If necessary, loosen the setscrew and adjust to the correct height.

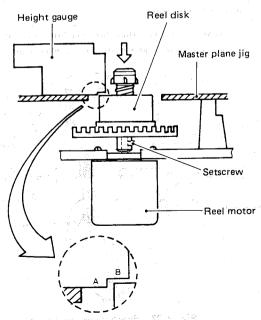


Fig. 2-21 Reel disk height adjustment

2.6.3 Supply guide pole heighters seems seem growns.

- 1. Set the height gauge (PUJ42147-2) on the subdeck and check the perpendicularity.
- 2. Cofirm that the height of the lower face of the upper flange.
 - Then tighten the nylon nut by one turn from completion of adjusting position.
- 3. If guide pole height has been adjusted, tape transport adjustments are required (refer to section 2.7).

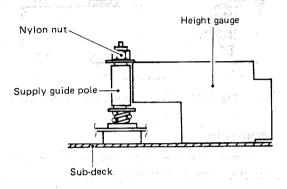


Fig. 2-22 Supply guide pole height adjustment

2.6.4 Take-up tape guide roller height

- 1. Set the master plane jig. Use the height gauge (PUJ44650) to cofirm that the height of the lower face of the upper flange.
- 2. If necessary, loosen the setscrew on the lower part, then adjust the height by turning the screw on the top.
- 3. If the height has been adjusted, tape transport adjustments are required (refer to section 2.7).

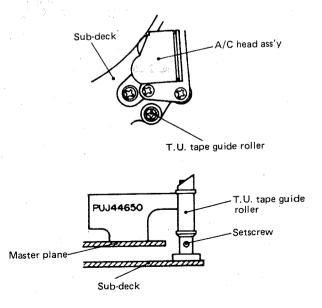


Fig. 2-23 Take-up tape guide roller height adjustment

2.6.5 Take-up tape guide roller parallel a state of the latest and the state of the latest and the state of the latest and the

- Put the place surface of A/C head parallel check plate against the capstan shaft and take-up guide roller.
- Check that the parallel degree between the capstan shaft and take-up tape guide roller is less than 0.05 mm.

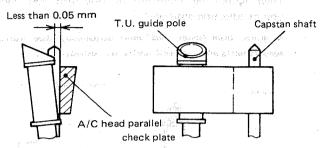


Fig. 2-24 Take-up tape guide roller parallel

2.6.6 Pinch roller

- 1. By hand, press the pinch roller toward the arrow A to the point where it contacts the capstan.
- 2. Check that the parallel degree between the pinch roller and capstan is less than 0.05 mm.

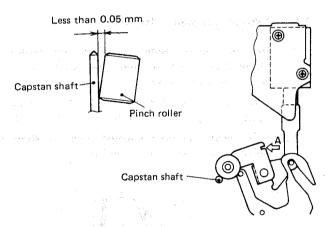


Fig. 2-25 Pinch roller

2.6.7 Differential transformer positioning

Note: The clearance is more easily checked from the bottom side.

- 1. Referring to section 2.5.1, use a cassette tape, supply power and set for the Play mode.
- 2. Turn off the power after completion of loading.
- 3. Confirm that the clearance between the E-ring and differential transformer is 0~0.1 mm when the tension arm is in contact with the base of supply guide pin.
- 4. If not, adjust by turning the socket bolt with a 2.4 hex key.

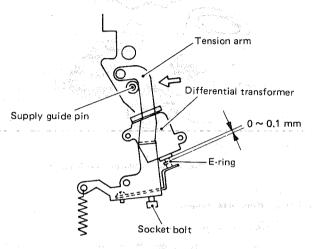


Fig. 2-26 Differential trans.

2.6.8 Pinch roller solenoid

- 1. Referring to section 2.5.1, insert a cassette tape, supply power and set for the Play mode.
- 2. Confirm that the space between the solenoid lever and spring is 0.5~1 mm.
- 3. If necessary, adjust solenoid position by loosening the two screws, then tighten the two screws again.

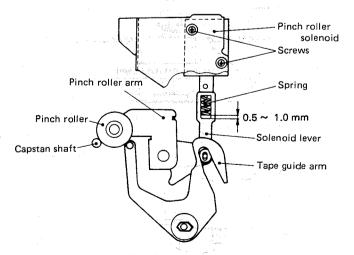
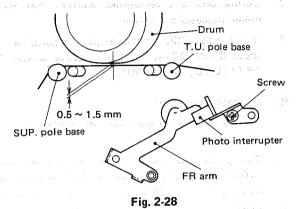


Fig. 2-27 Pinch roller solenoid

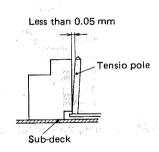
2.6.9 Photo interrupter

- 1. Insert a cassette tape, supply power and set for the Stop mode. Turn off the power in the state of half loading.
 - Confirm that the space between the drum and tape is 0.5~1.5 mm.
 - If necessary, remove the cassette and adjust the photo interrupter position by loosening the screw.



2.6.10 Tension pole perpendicularity

- Referring to section 2.5.1, insert a cassette tape, supply power and set for the Play mode. Turn off the power in this state.
- 2. Set the height gauge on the subdeck and press the tension arm toward the arrow B to the point where the tension arm contact the height gauge lightly.
- 3. Check that the perpendicularity degree between the tension pole and height gauge is less than 0.05 mm.



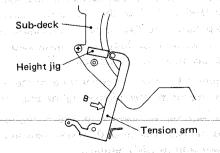


Fig. 2-29 Tesion pole perpendicularity

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- 1. Confirm the audio/control head parallel using the A/C head parallel check plate.
- 2. Put the A/C head parallel check plate against the audio/control head as shown in Fig. 2-30 and confirm that the inclination is less than 0.1 mm as shown by A.
- 3. Put the plane surface of the plate against the audio/control head and check that there is no space in the upper portion as shown by B.

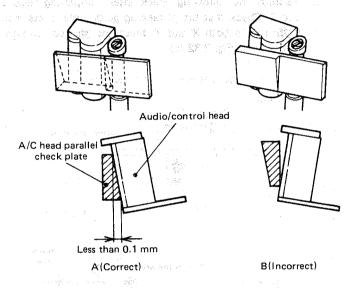


Fig. 2-30

2.6.12 Take-up guide pole height

- Set the master plane jig. Use the height gauge (PUJ-44650) to confirm that the height of the lower face of the upper flange.
- If necessary, adjust the height by turning the nut as shown in Fig. 2-31. (For the nut adjustment, it is required to remove the master plane jig once.)
- If the height has been adjusted, tape transport adjustments are required (see section 2.7).
- 4. Next, play back the E-240 tape in the Search REV mode, and confirm that the beginning of the tape runs within the limit of the upper specification of the take-up guide pole and the end portion of the tape runs within the limit of the lower specification of the take-up guide pole.

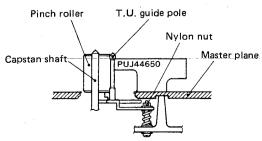


Fig. 2-31 Take-up guide pole heigh

2.6.13 Take-up guide pole perpendicularity

- 1. Set the master plane jig. Use the height gauge (PUJ-44650) to measure at the two orthogonal places (X-Y') as shown in Fig. 2-32 (c).
- 2. To measure at the Y' place, check that the perpendicularity degree between the take-up guide pole and height gauge is less than 0.05 mm as shown in Fig. 2-32 (a).
- Fig. 2-32 (b). See sweet as the X-place as shown in
 - 4. Perform the following check after completing steps 2 and 3. Check that tilt of take-up guide pole is less than 0.05 mm in both X and Y directions (shaded position) as shown in Fig. 2-32 (c).

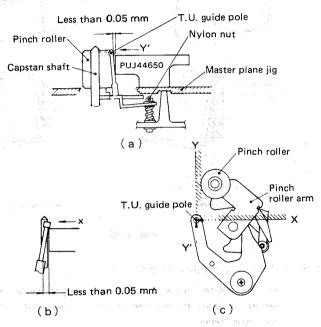


Fig. 2-32 Take-up guide pole perpendicularity

2.6.14 Torque adjustment

Perform the following checks and adjustment after completing reel servo adjustment section 3.5.

- [A] Loading supply back tension
- 1. Use PUJ42881 cassette torque meter and set for the Play mode.
 - During loading is performed, confirm that the left side meter indicates 5 ± 3 g-cm.
 - If not, adjust R29 on the reel servo board. (At the time, about 0 mV DC will normally appear across TP10 and TP-11 [GND] on the PWB.)
- [B] Playback back tension
- Use the cassette torque meter (PUJ42881) and set in the Play mode.
- 2. During the Play mode, check that the left side meter indicates 41 \pm 5 g·cm and the TP-1 level of reel servo board is 0.31 \sim 0.36 Vp-p. If not, perform the following steps.
- 3. Perform 'Differential transformer positioning' (section 2.6.7) and 'Supply det. level' (section 3.5) adjustments.
- 4. Using the cassette torque meter, set for the Play mode and adjust R167 of the reel servo board for 41 ± 5 g-cm.

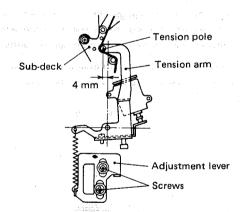


Fig. 2-33 Showing the normal state in Play mode.

- 5. When 41 ± 5 g-cm back tension is obtained, confirm that the level at TP-1 of the reel servo board is 0.31~0.36 Vp-p during the Play mode. If not, adjust the adjustment lever position carefully, then repeat steps 4 and 5 until the specified results are obtained.
- 6. Figure 2-33 shows a normal state of the tension pole in the Play mode after completing the adjustment.
- Tonnect the oscilloscope to TP9 of the reel servo board and the heat sink of Q10 (power transistor) on the same board with its GND terminal.
 In the Still mode, confirm that voltage at TP9 of the reel servo board is 75 ± 5 mV. If not, adjust R145 of the reel servo board to obtain 75 mV.

- [C] Playback take-up torque
- Use the cassette torque meter (PUJ42881) and set for the Play mode.
- 2. During the Play mode, check that the right side meter indicates 100 ± 20 g-cm.
- 3. If not, adjust R142 of the reel servo board for 100 \pm 20 g-cm.

C284 5 17 35 0		15 15 15 15 15 15 15 15 15 15 15 15 15 1	<u>and the set of the State of th</u>
Mode	ltem.	Adjusting Point	Indication
Loading	SUP Tension	R29	5 ± 3 g-cm
Play	SUP Tension	R167	41 ± 5 g-cm
i iay	TU Torque	R142	100 ± 20 g-cm

Table 2-5 Torque setting chart

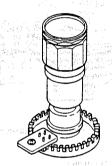
- [D] Fast Forward (FF) and Rewind (REW) torque
- Connect the oscilloscope to TP17 of the reel servo board and perform external synchronization at TP19 (pin 1 of IC4).
- 2. Set the beginning portion of E-180 tape, and enter the unit to the FF mode.
- 3. Confirm the peak voltage at TP17 is $4.8 \pm 0.5 \text{ VDC}$ at that time.
- 4. If lit is not, adjust R128 of the reel servo board to obtain the standard value.
- 5. Lightly holding the torque gauge set to the take-up reel disk, enter the unit to the FF mode.
- Turning the torque gauge gradually, read the point of the graduation when the needle and scale move simultaneously.
- 7. Confirm the torque of 430 gr-cm or more.

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8. In the same manner as for the FF torque, confirm that REW torque is 430 gr-cm or more.

- [E] Fast Forward (FF) and Rewind (REW) reek brake torque

 Note: Photo sensors in the housing may detect light, at
 that time mode can not be accepted by the operation button. Keep any strong lights away.
- 1. Referring to section 2.5.1 "Mechanism functions", set a cassette tape and supply power.
 - Set for the STOP mode, then let the back tension lever, supply main brake and take-up main brake move toward the arrow C.
 - 3. Set the torque gauge on the take-up reel disk. Relax the grip on the gauge so that the disk turns slowly in the direction of the arrow B. Read the indication at the point where the indicator and scale rotate at equal speed. The correct value is 25 ± 5 q-cm.
 - 4. In the same manner, check the REW mode. Set the gauge on the supply reel disk and let the disk turn in the direction of the arrow A. The correct value is 25 ± 5 g-cm.



(a) FF/REW Torque

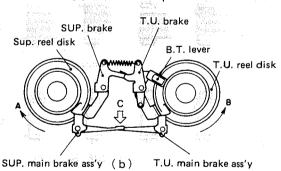


Fig. 2-34

- [F] Search reverse tension
 - Set the video cassette torque meter (PUJ42881-B), and enter the unit to the Slow Search Reverse mode.
- 2. Confirm that supply side (left side) torque is 130 ± 15 gr-cm at a half (x 1/2) speed of the Search Reverse.
- 3. Next, at the normal (x 1) speed of the Search Reverse, confirm that back tension of the take-up side (right side) if 50 ± 6 gr-cm.
- 4. If it is not 50 ± 6 gr-cm, adjust R183 of the reel servo board to obtain it.

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2.7 TAPE TRANSPORT

The tape transport system has been precisely adjusted at the factory and normally does not require readjustment. The following steps are therefore necessary only in case of severe usage or when replacing parts affecting the tape transport system.

REPORTED TRANSPORTED COMPANY

2.7.1 Tape transport check

SUP, Guide roller

- 1. Employ a E-180 tape and check at tape beginning and ending portion according to the following steps.
- 2. Operate the machine between Play and Stop modes several times.

During Loading and Unloading, observe the tape at the supply, take-up and take-up tape guide rollers. Confirm absence of curling, wrinkling, etc.

T.U. Guide roller

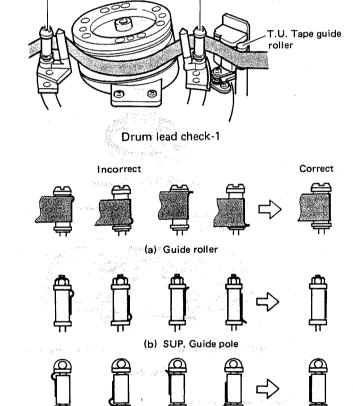


Fig. 2-35 Guide roller and Guide pole

(c) T.U. Tape guide roller

- Observe the tape when it wraps around the drum during loading and it separates from the drum during unloading.
 Confirm absence of damage to the tape and absence of contact noise at the drum lead.
- 4. During the Play mode, observe the tape at the input and output portions of the drum lead.

 Confirm that the tape slips neither upward nor downward with respect to the lead.

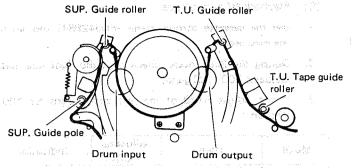


Fig. 2-36 Tape transport check

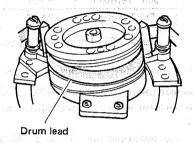


Fig. 2-37 Drum lead check-2

Notes:

- 1) Slips upward : noise may occur by contact between tips of rotating heads and edge of tape.
- 2) Slips downward: tape curls or wrinkles from contacting lead face (noise may also occur).
- During Play and FWD Search modes, observe the tape at the supply guide pole, supply guide roller, take-up guide roller and tape guide.
 Confirm absence of curling, wrinkling, etc. as shown in Fig. 2-35.
- 6. During REV Search mode, confirm that the tape guide does not contact the tape and absence of curling, wrinkling, etc. at the supply guide pole, supply guide roller and take-up guide roller.
- At the time of switching between FWD Search and REW Search modes, observe the tape at the supply guide pole, supply and take-up guide rollers. Confirm absence of curling, wrinkling, etc.
- 8. If necessary, perform adjustments according to section 2.7.2.
- Play back the tape in the condition that the supply tention pole is set by and tape tension is zero, and confirm that the tape has not been damaged or wrinkled by the take-up tape guide pole.
- Confirm that the tape has not been wrinkled by the take-up guide roller and take-up guide pole after a mode shift from REW (Search REV) to PLAY.

2.7.2 Tape transport adjustments

Note: Perform only if defects are noted during tape transport check (2.7.1).

If tape transport has been adjusted, interchangeabilty adjustment are required (see section 2.8).

[A] Guide roller height

- 1. The guide roller is fixed with a sectscrew. Adjust the supply guide roller with respect to the drum input and the take-up guide roller with respect to the drum output.
- Loosen the setscrew on the side to be adjusted. Loosen
 it only enough to allow the guide roller to be turned
 smoothly with a slotted screwdriver. Use care not to
 overloosen it.
- 3. Insert a cassette tape and set for the Play mode.
- 4. With a slotted screwdriver, turn the supply guide roller and adjust so that the tape travels smoothly in the drum lead.
- 5. Tighten the setscrew after completion of adjustment.

[B] Supply guide pole

Note: This adjustment must be within 0.5 mm (one nut turn is 0.5 mm) with respect to the height adjusted in section 2.6.3. If there is a large discrepancy, check the height of the supply reel disk, tension pole and other mechanical components.

- 1. Use a cassette tape and set for the Play mode.
- Use a nut driver to adjust so that curling or wrinkling of the tape does not occur at the supply guide pole.

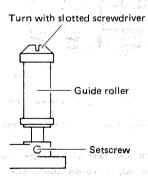


Fig. 2-38 Guide roller

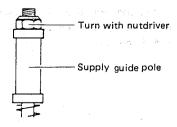


Fig. 2-39 Supply guide pole

- [C] Take-up tape guide roller height
- 1. The take-up tape guide roller is fixed with a setscrew.
- At the time of adjustment, loosen the setscrew only enough to allow the guide roller to be turned smoothly with a slotted screwdriver. Use care not to overloosen it.
- 3. Use a cassette tape and set for the Play mode.
- 4. Adjust by turning the top of the tape guide roller slightly with a slotted screwdriver so that curling or wrinkling of the tape does not occur at the take-up guide roller.
- 5. Tighten the setscrew after completion of adjustment.

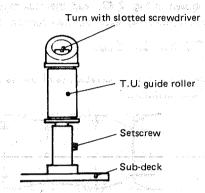


Fig. 2-40 Take-up tape guide roller

[D] Take-up guide pole height

Note: Since this height adjustment is seriously important to prevent tape damage, confirm absence of curlling or wrinkling between the T.U. tape guide roller and capstan shaft at high speed REV Search mode is performed with a tape of E-180 type.

- 1. Use a cassette tape and set for the Play mode.
- 2. Use a nut driver to adjust so that curling or wrinkling of the tape does not occur at the take-up guide pole in all mode.

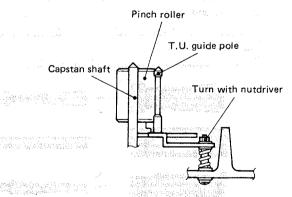


Fig. 2-41 Take-up guide pole

2.8 INTERCHANGEABILITY ADJUSTMENT

2.8.1 Preliminary checks

1. Connect the oscilloscope to PRE/REC TP-7.

At this time, trigger the oscilloscope externally with the signal from D-PULSE of the drum servo board TP24.

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- 2. Play starirstep signal segment of the alignment tape MH-2.
- 3. Alt. Turn the tracking control and adjust for maximum FM output.
- 4. As shown in Fig. 2-42, read the maximum FM level (a) and minimum FM level (b), then confirm that:

$$\frac{b}{a} \ge 0.8 \ (\ge -2 \ dB)$$

If the waveform is serrated, read the value at the most uniform serrations.

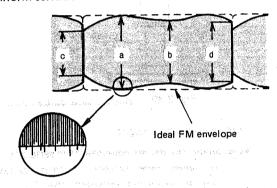


Fig. 2-42 FM waveform (max. output)

5. Read the values at points (c) and (d) [drum input and output] and confirm that:

$$\frac{c}{a} \ge 0.64$$
 and $\frac{d}{a} \ge 0.64$ (≥ -4 dB)

- 6. Turn the Tracking control from end to end. The waveform variation should be nearly parallel as shown in Fig. 2-43 and 2-44
- 7. If steps 4 to 6 above are unsatisfied, adjustments are required.

Perform adjustments of section 2.8.2 to 2.8.9.

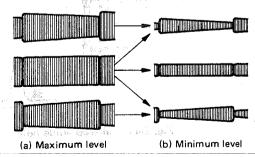


Fig. 2-43 Normal waveform examples

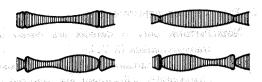


Fig. 2-44 Incorrect waveform examples

2.8.2 Preliminary adjustments

- 1. Connect the oscilloscope to PRE/REC TP-7.

 Trigger the oscilloscope externally with the signal from D. PULSE of the drum servo board TP24.
 - 2. Play staristep signal segment of the alignment tape MH-2.
 - 3. Turn the Tracking control and adjust for maximum FM output.

Drum input

 Refer to Fig. 2-45. Examples of incorrect waveforms are shown by A and B.
 Adjust the supply guide roller so that the rising portion

Adjust the supply guide roller so that the rising portion (drum input portion) of the waveform becomes flat as shown by C.

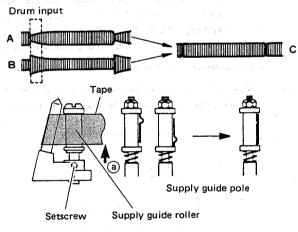


Fig. 2-45 Drum input adjustment

- Observe the top edge of the tape travels along the lower face of the upper flange and check the waveform does not fluctuation as the tape is lightly pushed up at point

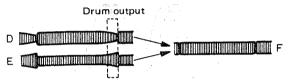
 a as shown in Fig. 2-45
- 6. At this time, confirm absence of curling or wrinkling at the guide pole. If contact noise is heard, reconfirm secion 2.6.3 and 2.7.

Drum output

7. In the same manner as for the drum input, turn the takeup guide roller to adjust the decay portion (drum output portion) of the FM waveform. Incrorrect examples are shown by D and E in Fig. 2-46, while F indicates the correct adjustment.

ethierinen beisekenntanin untbere die E. E.

- 8. Observe the top edge of the tape travels along the lower face of the upper flange and check the waveform does not fluctuation as the tape is lightly pushed up at (b) as shown in Fig. 2-46.
- 9. At this time, confirm absence of curling or wrinkling at the take-up tape guide roller. If contact noise is heard, reconfirm section 2.6.4 and 2.7.
- 10. Carefully and evenly adjust screws (A), (B) and (C) to align the audio/control head height with the tape as shown in Fig. 2-47.



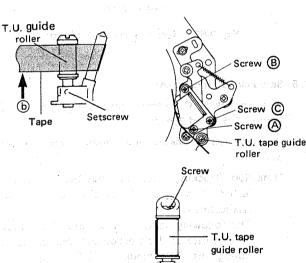


Fig. 2-46 Drum output adjustment

Setscrew

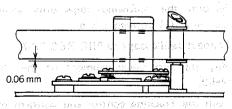


Fig. 2-47 Audio/control head height

o a iCham E. Chamani inna an amin' waterika

2.8.3 Fine adjustment

1. After completion of preliminary checks, connect oscilloscope to PRE/REC TP-7. Observe FM waveform and adjust the Tracking control for minimum FM output level. Trigger the oscilloscope externally with the signal from D. PULSE of the drum servo board TP24.

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- If the waveform becomes as shown by A or B of Fig. 2-48, carefully adjust the supply guide roller height so that the waveform becomes as shown by E, F or G of Fig. 2-49.
- If the FM waveform appears as shown by C or D in Fig.
 2-48, carefully adjust the take-up guide roller height to obtain a waveform such as shown by E, F or G of Fig.
 2-49.
 - At this time, if the waveform fluctuates, adjust to the point of minimum fluctuation.
- 4. Vary the Tracking control from maximum to minimum FM output. The waveform variation should be nearly parallel as shown in Fig. 2-50. If not, readjust items in section 2.8.2 and 2.8.3.
- 5. Confirm the audio/control head height (section 2.8.4), azimuth (section 2.8.5) and audio/control head position (section 2.8.7).

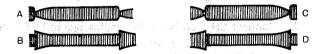


Fig. 2-48 Minimum FM output (incorrect examples)

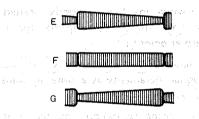


Fig. 2-49 Minimum FM output (correct examples)

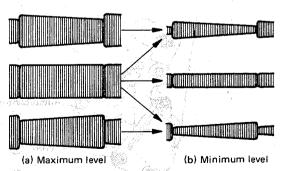


Fig. 2-50 Correct waveform

Note: Setscrew tightening

- 1) After confirming absence of tape wrinkling and other transport irregularities, tighten the setscrews while in the Stop mode.
 - Since the guide rollers are easily moved, use care when tightening.
- 2) Again perform the preliminary checks (refer to section 2.8.2).

2-19

2.8.4 Audio/control head height

Connect an oscilloscope to AUDIO OUT CH-1 and CH-2

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- 2. Play 1 kHz signal segment of the alignment tape MH-2.
- 3. Check that the audio CH-1 (LEFT) output level increase does not exceed 0.5 dB as the tape is lightly pressed down point (a) as shown in Fig. 2-51.
- 4. In the same manner, check that the audio CH-2 (RIGHT) output level increase does not exceed 0.5 dB as the tape is lightly pushed up at point (b).
- If level increase is more than 0.5 dB in step 3 or 4, perform following adjustment.

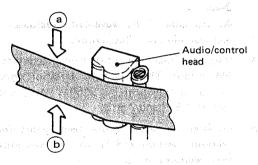


Fig. 2-51 Audio head height check

- Connect CH-1 probe of the oscilloscope to LEFT (NOR-MAL) and CH-2 probe to RIGHT (NORMAL) of the AUDIO OUT terminals.
- 7. Adjust the oscilloscope for equal maximum levels for CH-1, when the tape is lightly pressed downward at point (a), and CH-2, when the tape is lightly pressed upward at point (b).
- 8. Turn screws (A), (B) and (C) in succession by small and equal increments at a time an adjust for the same levels between CH-1 and CH-2.
- 9. If tape curling, wrinkling, etc. occurs at the T.U. tape guide roller, reconfirm section 2.6.4 and 2.7.

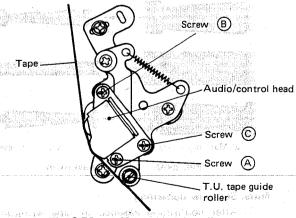


Fig. 2-52 A/C head height adjustment

2.8.5 Audio/control head azimuth

- ides Performs the ofollowing of steps conflowing after completing to section 2.8.4 in this conflowing that the section of the
- Connect CH-1 probe of the oscilloscope to LEFT (NOR-MAL) and CH-2 probe to RIGHT (NORMAL) AUDIO OUT terminals.
- 2. Play 7 kHz signal segment of the alignment tape MH-2.
- 3. Adjust screws (A) and (B) (shown in Fig. 2-52) for both maximum output levels and absence of phase difference between CH-1 and CH-2.
- 4. Confirm the audio/control head height (section 2.8.4).

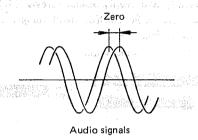


Fig. 2-53 Audio head phase adjustment

2.8.6 Servo circuit adjustment

- 1. Perform P.B./REC switching point adjustment (refer to section 3.6.6 and 3.6.7).
- Perform Sub Tracking adjustment (refer to section 3.7.7).

Note: Sub Tracking adjustment has been percisely adjusted at the factory normally does not require readjustment.

The following adjustment are therefore necessary only in case of H distortion becomes produced by during the P.B. mode to E-E mode or when replacing Sub, Tracking VR.

2.8.7 Audio/control head position

Perform the following steps only after completing section 2.8.1 through 2.8.5.

- 1. Connect oscilloscope to PRE/REC TP-7.
- Play stairstep signal segment of the alignment tape MH-2.
- Turn the Tracking control and confirm that the maximum FM level is obtained at the center click positon.
- 4. If not, set the Tracking control to center click position.
- 5. Loosen the three screws (D , E and F) and slide the audio/control head assembly fully in the direction of the drum (indicated by the arrow) as shown in Fig. 2-48.
- 6. Slightly tighten the three screws (D, E and F) and play stairstep segment of the alignment tape MH-2.

- 7. Set the audio-control head position tool (PUJ44653) as shown in Fig. 2-55.
 - Slowly turn the tool and set the audio/control head assembly to the position where the second maximum peak FM level is obtained. See Fig. 2-56.
- While using care not to slide the position of the three screws ((D), (E) and (F)) of the audio/control head assembly.
- Confirm section 2.8.1 through 2.8.6.

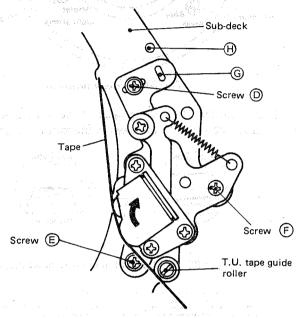


Fig. 2-54

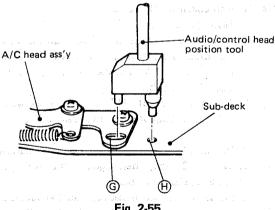


Fig. 2-55

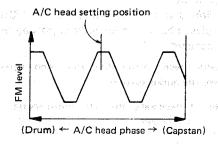
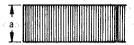


Fig. 2-56

2.8.8 Final checks

- Reconfirm section 2.8.1. If incorrect FM waveform, replace the upper drum assembly (refer to section 2.5.2).
- 2. Connect an oscilloscope to PRE/REC TP-7 and TP37 of the FM Audio board.
 - With dual trace mode, trigger the oscilloscope externally with signal from D. PULSE of the Front service terminal.
 - 1) Play stairstep signal segment of the alignment tape MH-2.
- 2) Set the trigger to + slope and observe the video FM waveform (CH-2).
- 3) Turn the Tracking knob to obtain the maximum video FM waveform.
 - At this time play carrier signal segment of the alignment tape MH-F8 and observe the audio FM waveform (b).
- 4) Turn the Tracking knob to obtain the maximum audio FM waveform (a).
 - Observe the audio FM waveform (a) and confirm that the level difference between audio FM waveform (b) and the maximum level (a) obtained manually is:

$$\frac{b}{a} \ge 0.9$$





Maximum (Manually)

(When maximizing VIDEO FM)

Fig. 2-57 Audio FM output level

5) When the maximum video FM waveform, confirm the audio FM waveform (Fig. 2-58) obtained that:

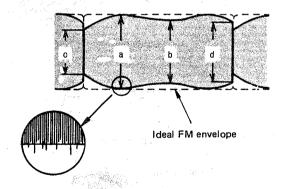


Fig. 2-58 FM waveform (max. output)

 $\frac{b}{a} \ge 0.8$, $\frac{c}{a} \ge 0.64$, $\frac{d}{a} \ge 0.64$

(Specifications of audio FM waveform)

Note: If the FM dropout is noted, perform the FM audio switching point adjustment (refer to section 3.8.3) before confirmation.

6) Without and audio signal, perform recording and then playback. Confirm the audio FM waveform (L-CH/R-CH) satisfied the specifications of audio FM waveform.

7) If FM waveform is still incorrect by the adjustments from the steps 1 through 5, replace the upper drum assembly (refer to section 2.5.2).

Note: Refer to section 2.8.9.

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 Perform overall checks and adjustments of the servo circuit and video, and then perform the audio circuit adjustment.

2.8.9 Reference was been support to the season of the

- 1. When audio FM waveform is not yet standardized after the final checks (section 2.8.8), a satisfactory result can be obtained by adjusting heights of the audio and video heads with a VH microscope (PUJ42990) used as an adjusting equipment.
- Referring to section 2.5.1 set the machine into the operation preset condition for Play mode and then turn off the power.
 - 1) Set the VH microscope (PUJ42990) on the guide pin as shown in Fig. 2-59.

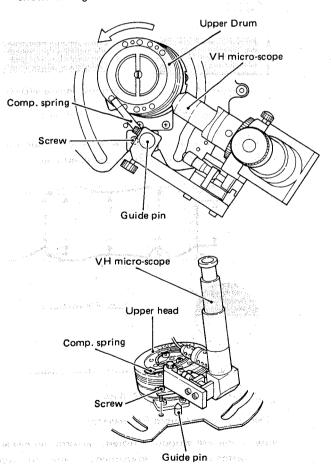


Fig. 2-59 VH microscope setting

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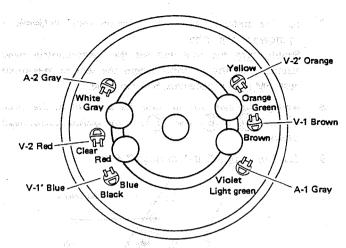


Fig. 2-60 Head position

2) Confirm that "H" of the value of the relative height between V2 and A1 is as shown in the following table.

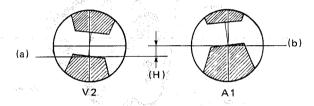


Fig. 2-61 Audio head and video head heights

A/V head	V2 - A1	V1 - A2	V1 - V2	A1 - A2
Н	42 ± 5 μ	42 ± 5 μ	0 ± 1 μ	0 ± 1 μ

How to confirm "H" value

- (1) Read the value of "a" of V2 on the VH microscope.
- (2) Lifting the rotation prevention spring upwards turn the upper drum slowly counterclockwise and stop it at the position A1 and fix the spring. At this position read the value (b).
- (3) Read the value of "H" (difference between "a" and "b"). (one graduation of the scale is 2μ)
- 3) If the value differs from the standard, tighten the setscrew of V2 first, then tighten the A1's setscrew to obtain a satisfactory result.
- 4) In the same manner as above, read the values and obtain satisfactory results for V1 A2, V1 V2 and A1 A2, respectively.
- 5) Confirm that the FM waveforms (CH-1/CH-2) recorded and played back without audio signals by the machin are the standard.
- Totally check up the servo and video systems, and then do for the audio system.

Note: If necessary the VH micro-scope, consult your JVC dealer.

SECTION 3 ELECTRICAL ADJUSTMENTS

3.1 PREPARATION

Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed. Also, do not attempt these adjustments unless the proper equipment is available.

3.1.1 Required test equipment and jig

I. Digital voltmeter: HEWLETT-PACKARD

Model 3476A/B or equivalent

2. Oscilloscope: Wide-band, Dual-trace

3. Signal generator: Color bar, Stairstep

4. Frequency counter: HEWLETT-PACKARD

Model 5381A or equivalent

5. Regulated DC power supply

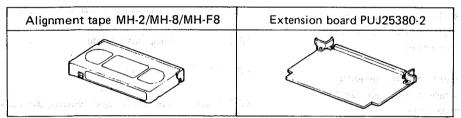
6. Audio generator: Wide-band

7. Alignment tape: JVC MH-2, MH-8, MH-F8

8. Extension board: PUJ25380-2

NOTE: Be sure to first check for smooth and proper tape transport before using the alignment tape.

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Note: Use the Extension board for adjusting the servo board. Note the board orientation must be changed when adjusting the reel servo. See instructions printed on the extension board.

3.1.2 JVC alignment tape contents

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1. MH-2 contents

Segment	Playback Time	Video Signal	Audio Signal	Applications
1	10 minutes	Stairstep	6 kHz	 Interchangeability checks and adjustments Servo circuit checks and adjustments Audio head azimuth adjustments
2	5 minutes	(none)	3 kHz	Tape speed checks Wow and flutter checks
3	10 minutes	Color bar	1 kHz (0 dB)	 Video signal playback circuit checks and adjustments Audio signal playback circuit checks and adjustments
4	3 minutes	RF sweep	(none)	Video head resonance adjustments, Q adjustments Marker: 2 MHz, 4 MHz, 5 MHz

2. MH-8 contents

Table 3-1

Segment	Playback Time	Video Signal	Audio Signal	Applications
issonij vii	2 minutes	100 E	400 Hz (-20 dB)	 Video frequency response playback circuit checks and adjust-
2	2 minutes	ea∈ Color ⇔≤	100 Hz (-20 dB)	ments Audio frequency response playback circuit checks and adjustments
	2 minutes	sweep	10 kHz (–20 dB)	Birth was the company of the paper of the paper.
4	4 minutes	KHRI TI	(none)	der General Material et Salgeria et al. 1 de de mengrand de la companya et al. 1 de de mengrand de la companya

3. MH-F8 (FM Audio) contents

Table 3-2. A. Burrowinger species care again

Segment	Playback Time	Video Signal	Audio Signal	**************************************
1	5 minutes	-	Carrier only	Interchangeability checks for video and audio
2	5 minutes		1 kHz (±50kHz DEV.)	FM audio signal playback circuit checks and adjustments

3	1	3	Check	and	Adi	ustment steps	
э.			CHECK	aiiu	~~	Cancillotte acoba	

The check and adjustment steps are provided in the following in the form of charts. For clarity, the nomenclature used in the charts is outlined below.

Note: Do not use an alignment tape for the mechanism and tape running checks.

Before making an adjustment using an alignment tape, confirm tape transport by using ordinary tape.

11104	Carlo is Altelia South	
No.	Checks and adjustments are numbe	red
	in the recommended sequence in wh	ich
	they are to be performed.	

Item	Name assigned to the particular c	heck
lins discin.	and adjustment step	
Designation of the	no sau craffa i fossar i Rusi	

Check Point	Location to which measuring instru-
	ment (oscilloscope unless otherwise
	noted) is to be connected.

Adjustment	Variable component (resistor, capacitor,
Parts	etc.) to be adjusted in this step. Dash
	(-) indicates check only.

Signal	Input signal required to perform adjust-
	ment. Dash (-) indicates that special
	signal is not required.

Color bar signal as video input

Stairstep	Stairstep signal as video input
1 kHz	Supply a 1 kHz sinewave as audio in-

	put signal.	num egsman fluideligenski flatige
MH-2		segment of JVC MH-2
Color bar	alignment tape	i de poste i per superiori de la companiori de la compani

·	o kojimoje gradi i gredinarno indica di sandino di la distributarno di sandinare. Nastarni il 1800 ili koji gredinare, gradinare di service ki i i i i i i i i i i i i i i i i i i	
MH-2	Play stairstep segment of JV	C MH-2
Stairstep	alignment tape.	-E 410

MH-2	Play 3 kHz audio signal segment of
3 kHz	JVC MH-2 alignment tape.
	म् रूम्। सर्वम् चार्यम् स्टाम् रूपेर मेर् चार्विर्वेशेन्स्य स्टाम्स मान्य स्टाम्स म्हिन्स मान्य मेर्गामा चार्यम
	DI ALKI II I I SECURITI

MH-2	Play 1 kHz audio signal segment of JVC MH-2 alignment tape.					
1 kHz	JVC MH-2 alignment tape.	_				
MLIO	Play RE sween segment of IVC MH	. 2				

MH-2	Play RF sweep segment of JVC MH-2
RF-Sweep	alignment tape.
_	

MH-8	Play color sweep segment of JVC MH-8
	alignment tape.
	Tradula kari

MH-8	Play 400 Hz audio signal segment of
400 Hz	JVC MH-8 alignment tape.

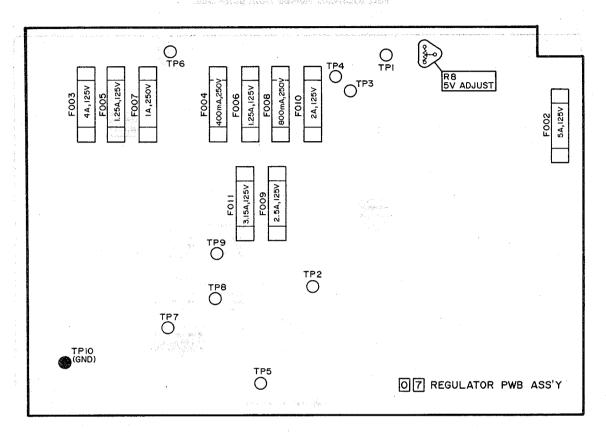
MH-8 100 Hz	Play 100 Hz audio signal segment of JVC MH-8 alignment tape.
MH-8 10 kHz	Play 10 kHz audio signal segment of JVC MH-8 alignment tape.
MH-F8 Carrier	Play audio carrier segment of JVC MH-F8 alignment tape.
MH-F8 1 kHz (± 50 kHz DEV)	Play 1 kHz (± 50 kHz DEV) audio signal segment of JVC MH-F8 alignment tape.
Mode	Equipment operating mode at time of check or adjustment
STOP	Power on and machine in Stop mode
REC	Recording mode
P.B.	Play mode
REC → (another mode)	Use blank tape, record, then play back in the mode specified. Audio dubbing mode
E-E	Input signal to output
FF.	Fast Forward mode
	Rewind mode
PAUSE	Pause mode
STILL	Still mode playback
Loading	Stop mode to playback mode
Unloading	Playback mode to Stop mode
	Search forward mode (varies the play- back speed continuously from still to 5 times normal in the forward direc- tion).
	Search reverse mode (varies the play-back speed continuously from still to 5 times normal in the reverse direction.)
Description and Waveform	of the step, notes, adjustment values

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3.2 POWER SUPPLY CIRCUIT

- Regulator PWB -

Part locations viewed from parts side.



No.	Item nos	Check Point	Adjustment Points	Signal	Mode	Description and Waveform
	•Output, • 1.37	TODY	Markangs Sphoritish	ego di di ego di di ego di maso	P.B	 Connect the digital voltmeter to TP3 of the regulator board. Confirm that the voltage is 18.5 ^{+1.5}_{-1.0} V DC.
. 2	Output	TOR)	er (sept. 1 sept.		P.B	 Connect the digital voltmeter to TP6 of the regulator board. Confirm that the voltage is 12.0 ± 0.2 V DC.
3	5 V DC Output	TP1 (REGULA-	R8 (REG)	Twice is a	P.B	1. Connect the digital voltmeter to TP1 of the regulator board.
n de regio	yanga sarahasa Wijah Mililasa W Masanda Mililasa	TOR)				2. Adjust R8 (REG) so that voltage at TP1 becomes 5.0 V DC.

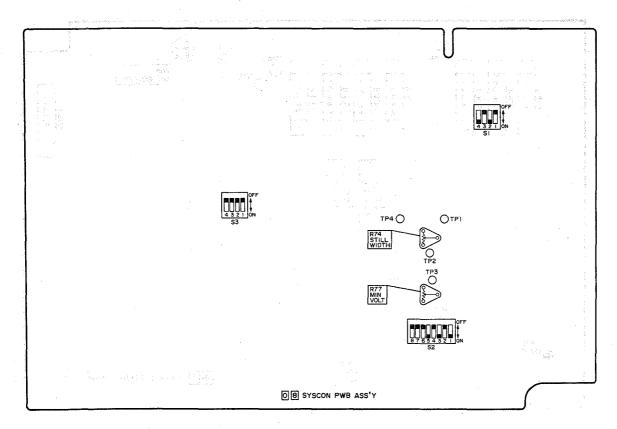
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3.3 SYSTEM CONTROL (SYSCON) CIRCUIT

- System control PWB -

Part locations viewed from parts side.

SAMON ASSISTANCE



No.	Item	Check Point	Adjustment Points	Signal	Mode	Description and Waveform
1	Minimum Voltage	TP4 SYSCON	R77 (MIN. VOLT)	_	STOP	Connect the digital voltmeter to TP4 of the Syscon board.
		vara egy á mellet, es f	SYSCON	ing the state of t	engerin	2. Set the search dial to the center click position.3. Adjust R77 of the Syscon board to obtain 2.7 V DC.
2	Still width	TP-1, 2, 4 Syscon	R74 (STILL WIDTH),	* <u>-</u>	STOP	1. Connect oscilloscope to TP-2. Confirm high potential (approx. 5 V DC). If low (about 0 V DC), adjust R74 for high.
	Perform the form	age setting.			4,	2. Connect a digital voltmeter to TP-4 and the oscilloscope to TP-1.
	i \/R1	ockwise WD → 1 SEARCH	REV.	wise		3. Slowly turn the search dial clockwise and check the voltage at TP-1 and TP-4.4. Adjust R74 so that the TP-1 voltage drops
	TP-4			from high to low when the TP-4 voltage exceeds 2.9 ± 0.05 V.		
	The second secon	en engye S	-67. para High	· V	5. Change the oscilloscope connection from TP-1 to TP-2.	
	TP-1 (REV CMD)	LOW	, to death stand	6. Turn the search dial slowly counterclockwise past the center click position.		
	TP-2 (FWD CMD)	High	LOW	_		7. Confirm that the TP-2 voltage drops from high to low when the TP-4 voltage exceeds 2.9 ± 0.05 V.
		<u> </u>	Variable by	R74	ı	

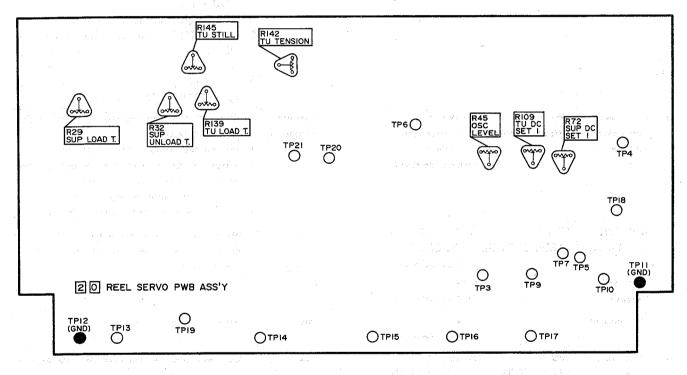
3.4 SEARCH CIRCUIT

No.	l tem	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
-1	Search VR	R1 center Search PWB or			SEARCH	1. Set R1 of the search board to the center click position.
	egen etelepera et insparen sel anti-a mergapira et insist	Pin 2 of		 		Connect digital voltmeter to pin 2 of CN28 on syscon PWB.
1	e ga saksanga da mada da Kasa saksanga da da da da]	i			3. Adjust R2 of the search board to obtain 6.0 ± 0.05 V DC.

3.5 REEL SERVO CIRCUIT

- Reel servo PWB -

Part locations viewed from parts side.



No.	Item	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
1 Lychia	Osc. Level	TP3 [REEL SERVO]	R45 (OSC LEVEL) [REEL SERVO]) }-	STOP	 Connect the oscilloscope to TP3 of the reel servo board. Confirm that the oscillation frequency is 3-3.8 kHz. Adjust R45 of the reel servo board to obtain the level of 3.0 Vp-p.
2	I .	TP5, TP12 (GND) [REEL SERVO]			STOP	 Connect the digital voltmeter to TP5 of the reel servo board. Adjust R72 of the reel servo board to obtain 6.0 V DC.
3	TU DC Set	TP7, TP12 (GND) [REEL SERVO]	R109 (TU DC SET) [REEL SERVO]	i de la composition della comp	STOP	 Connect the digital voltmeter to TP7 of the reel servo board. Adjust R109 of the reel servo board to obtain 6.0 V DC.

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
25-1/8-1		[REEL SERVO]	R1 (SUP. DET:		Play	 Connect the oscilloscope to TP1 of the reel servo board. Adjust R1 of the reel servo board to obtain the level of 0.7 Vp-p. Set for the Play mode with a tape loaded. Push the tension pole by fingers fully to left side (to minimize oscillation input). Confirm that input level is 0.05-0.1 Vp-p at TP1 of the reel servo board.
5	SUP. LOAD/ UNLOAD Voltage	TP10 [REEL SERVO]	[REEL SERVO]	120. ¹ - 120 4-120	Play ↓ STIŁL Loading/ Unloading	 Connect the oscilloscope to TP10 of the reel servo board. Ground the probe at the Q10 heat sink. Set for the loading mode at the beginning of a T120 tape. At this time, confirm that the voltage at TP10 is 0 mV.
		generalism generalism en	ena i venda i venna Merika valvata ha mahawata na	English St. of delicenses	Transference des Arthur de la companya de la compan	 4. If not, adjust R29 to obtain 0 mV. 5. In the STILL mode, pull the tension arm rightward (in the direction of the drum) to the limit. 6. In Unloading operation, confirm that voltage at TP10 is 135 ± 10 mV.
6 and the second section of the second section of the second seco	TU LOAD/ UNLOAD Voltage	TP9 [REEL SERVO]	R139 (TU LOAD/UN- LOAD T) [REEL SERVO]	0.7	Loading/ Unloading	 Connect the oscilloscope to TP9 of the reel servo board. Set the beginning of the T120 tape. Adjust R139 so that the voltage at TP9 becomes 40 mV DC in Loading. Confirm the same voltage in Unloading. If not, adjust R139 to obtain 40 mV.
7	SUP. FWD Min. Tension	TP10 [REEL SERVO]	R170 (SUP. DC SET 3) [REEL SERVO]	-	Play ↓ STILL	 Move the tension arm inward. At this time, obtain 10 mV at TP10 by adjusting R170.
8	SUP. Back Tension		R167 [REEL SERVO]		Play	1. Refer to section 2.6.15.
9	TU Tension	Tank (R142 [REEL SERVO]	-	Play	1. Refer to section 2.6.15.
10	TUSTILE Tension Author Author		R145 (TU STILL TENS. [REEL SERVO]	•	Play ↓ STILE	 Connect the oscilloscope to TP9 of the reel servo board. Play back the beginning portion of the T120 tape and set the unit for the STILL mode. Adjust R145 to obtain 75 mV DC at that time.
11	SEARCH REV Back Tension	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	R183 (TU SEARCH REV)		SEARCH REV (Slow mod	1. Refer to section 2.6.15.
12	TU. Motor Voltage in FF mode	TP17 [REEL SERVO]	000 - 900 - 000 - 000 - 000 - 000 - 000	3.0±05VDC	4.8±0.5 VDC	 With the oscilloscope connected to TP17 of the reel servo board, set the unit for the FF mode at the beginning of T120 tape. Confirm that the voltage and waveform
96.	FFT Ex THE MERCHEN	in the latest and the case	TP 19 Isec	m		are standard after 3 minutes of the mode shift.

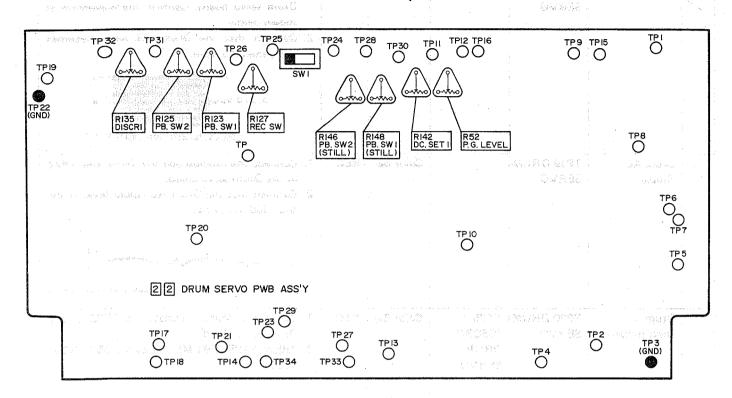
Note: To avoid measuring error resulting from the ground potential, connect the GND probe of the oscilloscope to the heat sink of Q10 (transistor) of the reel servo board.

3.6 DRUM SERVO CIRCUIT

- Drum servo PWB -

Part locations viewed from pattern side.

Margaret



No.	Item	- Check Point ∂	Adjustment Points	Signal	Mode	Description and Waveform
1	Drum Pulse	TP25 DRUM SERVO	R52 DRUM SERVO	Color Bar	REC	 Connect the oscilloscope to TP25 of the Drum servo board. Adjust R52 (DRUM) so that voltage at TP25 becomes a = b = 4.0 V DC. The waveform is as shown below.
797:			t my trigg	ar a Next	1 5 1 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a = 4.0 V b = 4.0 V

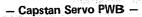
No.	Item	Check Point	Adjustment Points	Signal	Mode	Description and Waveform
2	Durm FG Level	TP32 DRUM SERVO		Color Bar	REC	1. Connect the oscilloscope to TP32 of the Drum servo board. Confirm the waveform as shown below.
and the second s	And the second s	energi Gr			an samura a a a a a a a a a a a a a a a a a a	2. Confirm that the Drum FG level becomes more than 3.0 Vp-p.
			A Section of the Sect		A STAN	b≧3.0 Vp-p
- 1	29. – 1.			Service of Time Con- service on the service of the service of the	jak 1997 s	b(MAX. level)/a(Min. level) <1.1
3	Drum AC Ripple	TP19 DRUM SERVO	-	Color Bar	REC	 Connect the oscilloscope the TP19 and TP22 of the Drum servo board. Confirm that the Drum AC ripple level is less
						than 300 mm Vp-p.
	Tes					
						Less than 300 mVp-p
4	Drum Discriminator	TP30 DRUM SERVO	(DSCRI)	Color Bar	REC	Connect a digital voltmeter to TP30 of the Drum servo board.
		e de la competitación de l	DRUM SERVO	The state of the s	e e e e e e e e e e e e e e e e e e e	2. Adjust R135 (DRUM) to obtain 5.35 V DC at TP30.
5	P.B Switching Point	VIDEO OUT or Y PWB TP19	R123 (NOR) P.B SW-2 DRUM SERVO	MH-2 (Stairstep)	P.B	1. Connect the oscilloscope to VIDEO OUT. 2. Play the stairstep segment of MH-1 and set the tracking VR for maximum level meter indication. 3. Use the trigger signal of D-FF (TP24 with +
	্ এক জন্ম হৈছিল কৰিছিল। শুলাগুল বিভাগ স্কৃতি কৈছিল	Son podenje jedenas		gjevet '	alig tir	slope). 4. Adjust R123 (DRUM) so that the switching point is 6.5 H before V-sync.
are of	48 N. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	union surface and		1000	19	Trigger point (SW point) 6.5 H
72.93 24	ा प्रदेशकार्यसम्बद्धाः । - १४ व्यक्तिकार्यसम्बद्धाः	engen i Spake Araben je i Stali Leven i Spake i Spake Leven i Spake i Spake Leven i Spake i Leven i Spake	em i esta (i more i esta (i com i esta more i			(+) Equalizing Fulse V. SYNC 3.5 H 3 H
	di en grande de la companya de la co		R125 (NOR) P.B SW-1 DRUM SERVO	MH-2 (Stairstep)	P.B	 5. Change the trigger signal slope to —. 6. Adjust R125 (DRUM) so that the switching point is 6.5 H before V-sync.
						Trigger point (SW point) 6.5 H (-) CH2 Equalizing pulse V. SYNC 3.0 H 3.5 H

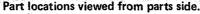
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No.	l tem	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
6	REC Switching Point	VIDEO OUT	Parts R127 (REC SW) DRUM SERVO	Color Bar	REC	1. Connect the oscilloscope to VIDEO OUT. 2. Record a color bar signal. 3. Adjust R127 so that the switching point is 6.5H before V-sync. During recording, confirm that the 6.5H is stable at both + and - slope trigger. Trigger point (Switching point) 6.5 H CH2 Equalizing pulse V. SYNC
						3.5 H

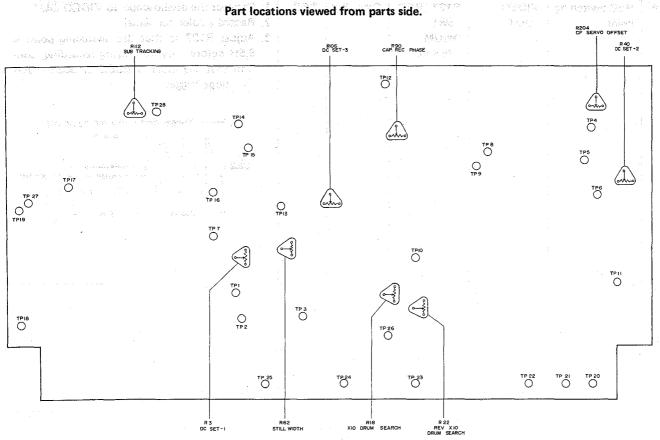
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3.7 CAPSTAN SERVO CIRCUIT





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No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
1	CTL Amp. DC SET-2	TP-5 Capstan Servo	R40 (DC SET-2) CAP. SERVO	<u></u>	STOP	 Connect a digital voltmeter to TP-5 of the Capstan servo board. Adjust R40 to obtain a DC voltage of 6.5 V.
2	FG (Frequency Generator) Amp. DC SET-1	TP-1 Capstan Servo	R3 (DC SET-1) CAP. SERVO	-	STOP	 Connect a digital voltmeter to TP-1 of the Capstan servo board. Adjust R3 to obtain a DC voltage of 7.0 V.
3	Still Width	TP-7 Capstan Servo	R62 (STILL WIDTH) CAP. SERVO	-	STOP	 Connect a digital voltmeter to TP-7 of the Capstan servo board. Adjust R62 to obtain a DC voltage of 3.00 ± 0.08 V.
4	Capstan Discriminator (DC SET-3)	TP-13 Capstan Servo	R106 (DC SET-3) CAP. SERVO	Color Bar	REC	 Connect a digital voltmeter to TP-13 of the Capstan servo board. Adjust R106 to obtain a DC voltage of 5.10 V.
5	Capstan FG (Frequency Generator)	TP-1 Capstan Servo	-	Color Bar	REC	 Connect oscilloscope to TP-1 of the Capstan servo board. Confirm that the capstan FG level fluctuation becomes less than 1.2 between a and b. b b (Max, level)/ a (Min, level) ≤ 1.2

No.	I tem i sous in the	Check Point	Adjustment Parts	⊸ Signal ⊸	Mode	Description and Waveform
6	P.B. CTL Level	TP-6 Capstan Servo	unios at orio - 1	MH-1 Stairstep	P.B.	Connect oscilloscope to TP-6 of the Capstan servo board.
	na de la Maria de la Maria de la Maria de la Maria de Ma La maria de la Maria de Maria			Muziti		2. Set the tracking VR at the center click position.
			. ajaseta j	and the second		3. Confirm that the P.B. CTL level becomes 0.3 -1.2 Vp-p and $t_1 < t_2$.
1323	tin Bardaki su ku	aga da kaga da Kaba. Mga Rupi ka aga da s	I 1			-1.2 VP-B and t ₁ \ t ₂ .
	. grávnák nad n man 1838. ado na	t .	•			a = 0.3–1.2 Vp-p
	al stables L	fit push shedi	Sectable ,			
: 134		A CALLES OF				
	24104	Milijaery – krastii L				$t_1 \leftarrow t_2 \qquad \qquad t_1 < t_2$
7	Sub. Tracking Adj.	TP-6	R112 (SUB TRACKING)	Color Bar	REC	 Supply a color bar signal to VIDEO IN. Connect the oscilloscope to VIDEO IN and
	Auj.	oupstan oc. vo	CAP. SERVO		P.B.	VIDEO OUT. At the dual trace mode, syn-
		American Co.	de to a la Pari			chronize the signals at the decay point of V.
			* 1.00°			sync waveform of the VIDEO INPUT signal. 3. Set the tracking control to the center click
		ash gadat, a virili a	solo o sacres			position. 4. Adjust R112 so that VIDEO OUT playback
1 12	Kanada Taran Kabupatèn K		1.4			signal is delayed 2 μsec from the VIDEO IN
						signal.
			1			5. Change the oscilloscope connection from VIDEO IN to TP6 of the Capstan servo board.
						6. Trigger the oscilloscope externally with the
			,			signal from TP17 of the Drum servo board. use (-) slope.
						7. Confirm that the CTL pulse at TP-6 of the
						Capstan servo board is near the V. sync of the VIDEO OUT signal.
·					-	VIDEO IN
			,			2 μsec
		-				VIDEO OUT
			•			
						CTL pulse
		-				Note:Ext trigger of TV mode. Dielay mode at
						2 μsec/div.
8	Drum Search	TP32	R18	_	FWD	1. Turn R22 fully counterclockwise as viewed
		Drum Servo	Capstan Servo (x10 DRUM		↓ STILL	from parts mounted side of the circuit board. 2. Connect a frequency counter to TP-32 of the
			SERVO)		,	Drum servo board.
					↓	3. During forward, set for the Still mode. 4. Adjust R18 to obtain a frequency of 1494Hz
						± 1 Hz.
			R22 Capstan Servo		SER. REV.	5. Set Playback mode and SER. REV. control to Slowest speed.
			(x10 REV.		(1/15)	6. Adjust R22 to obtain a frequency of 1492 Hz
			DRUM SERV	D)	-	± 1 Hz.

No.	Itemsocowa	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform of
9	Capstan REC Phase	TP-12	Capstan Servo	Color Bar	REC ↓ PAUSE	Connect oscilloscope to TP-12 of the Capstan servo board. Trigger the oscilloscope externally (- slope) with signal from TP-24 of the Drum servo
yes			Accept the gift of the control of th		REC	 board. 3. During recording, press the PAUSE button and set for the Pause mode. 4. Press the PLAY button. After playing back the preroll segment, when the REC mode is entered, check that TP12 waveform fluctuation is within ± 1.5 ms. 5. If outside this range, adjust R90 (CAP REC
**************************************	an Gadelia in an	a tras (1844) (1875) An trajectory (1875)		inger gwi	1999 at 1, 4	PHASE). Then repeat steps 3 to 5. $\begin{array}{ccccccccccccccccccccccccccccccccccc$
an and Salama Salama Salama	Light Martines (1998)	a artista (m. 1864). 1886 - Artista Artista (m. 1864). 1886 - Artista (m. 1864).	And the second of the second o			Note: Before this adjustment, the SW POINT, REC SW. POINT and SUB TRACKING.
	tgil om et i vagen av		100 mm m			

Committee the service design

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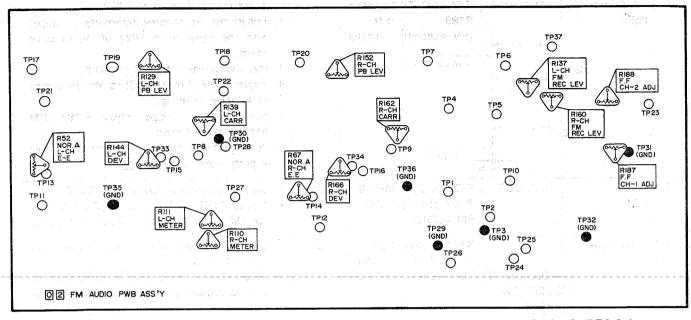
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3.8 FM AUDIO CIRCUIT

- FM Audio PWB -

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Note: Perform the following steps only after completing item 3.10.12 "Video REC FM Level", 3.10.13 "REC Color Channel Balance & Color Level".

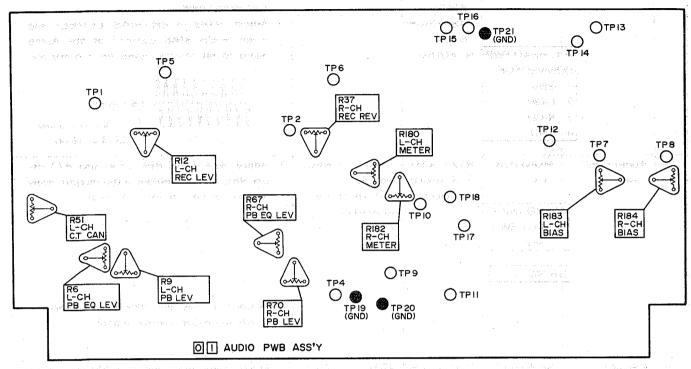
N	ο.	Item	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
	ı	FM A. Carrier	TP-15 (1.4 MHz)	R139 (L-CH FM CAR)	_	REC	1. Connect a frequency counter to TP-15 (1.4 MHz) and TP-16 (1.8 MHz) of the FM Audio
-		Frequency	TP-16 (1.8 MHz) 0 2	R162 (R-CH FM CAR) 0 2):	1888 - 1 1411. 5	board. 2. Adjust R139 (L-CH FM CAR) of the FM Audio board to obtain 1.4 MHz ± 1 kHz.
-			FM Audio	FM Audio			3. Adjust R162 (R-CH FM CAR) of the FM Audio board to obtain 1.8 MHz ± 1 kHz.
	2	FM A. REC Level	TP-1 (GND)	R137 (L-CH REC LEVEL)	_	REC	1. Set the oscilloscope vertical gain to 20 mV/DIV and horizontal gain to 0.5 µsec/DIV. 2. Turn R137 (L-CH REC LEVEL) and R160
		The state of the s	FM Audio	R160 (R-CH REC LEVEL)			(R-CH REC LEVEL) of the FM Audio board fully clockwise (() as viewed from parts side of board.
			ena vista pitki Visioni	02 FM Audio			3. Refer to figure and gradually turn R137 (L-CH REC LEVEL) () of the FM Audio board clockwise to set the 1.4 MHz compo-
		gen i sogjere kaj avadina i men i dis oprante kindon i men i distributi	garan gesta anggan garan anggan	e di Tilli Byger Saliki Saliki	v.	y ing t	nent to 34 mVp-p.
			per etgal	te legatikasis	1 (1 3) 8/8)	anda Mark Mark	34 mVp-p
					Harris W	\$#\$, \$5 · ·	4. Refer to figure and gradullay turn R160 (R-CH REC LEVEL) () of the FM Audio
		ne esta partir a jako		in Alba i	110 m	 1Vp-p	board clockwise to set the mixed waveforms (1.4 MHz and 1.8 MHz) to 110 mVp-p.
					\$3.00 August \$	A Kurkaya Massama	

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
3	FMA. P.B Switching	TP23 FM AUDIO	R187 (FM AUDIO)	Stairstep	YP.Bairo	1. Connect both probes (CH1 and CH2) of a dual-trace oscilloscope to TP23.
	Point		R188 (FM AUDIO)	(FM AUDIO is no		Trigger the oscilloscope externally (+ slope) with the signal from TP24 of Drum servo board.
	CH2 (TP23	3. No. 1	+ slope	signal)	en la	3. Play the stairstep segment of MH-2.4. Adjust R188 (FM AUDIO) to obtain widthe
	CH1	3		e nate. Seguine Geografia	-	of 4.7 msec (A in fig.) 5. Next, with — slope, adjust R187 (FM AUDIO) for 4.7 msec.
			slope		ر در	6. Confirm that B is obtained within 0.05 msec at both + and - slope trigger.
4	P.B	Hi-Fi OUT	R129 (L-CH) R152 (R-CH) FM AUDIO		Р.В	Connect an oscilloscope to Hi-Fi OUT. Adjust R129 (L-CH) and R152 (R-CH) of the FM Audio board for -6 dBs (1.1 Vp-p).
5	Level Meter		R111 (L-CH) R110 (R-CH)	–6 dBs	E-E	1. Confirm —6 dBs audio output signal from Audio OUT.
	1 1	AUDIO INPUT SELECT SW : SEP	FM AUDIO	(1.1 Vp-p)		2. Adjust R111 (L-CH) and R110 (R-CH) of the FM Audio board for 0 dB on the level meter.
		METER	10년 (1915년 1919년) 1	3 3,5 3 -	e, who go to be	に かしか 、
	i di grassifi	SELECT SW : Hi-Fi	· · ·	er e essil	ė.	50 100%
	en de la companya de	MONITOR SELECT SW : HiFi	Talleau (1977) Levy (1978) Straight	1. de 1. de		The state of the s
6	REC/P.B Level	Hi-Fi OUT	R144 (L-CH) R166 (R-CH) FM AUDIO	1	E-E REC	Perform FMA P.B. Level adjustment (item 3.8.4). During recording, turn R144 (L-CH DEV)
- 1.	1	AUDIO INPUT AELECT SW		(1,1 VP-P)	P.B	of the FM Audio board to desired position. 3. Then play back and confirm that the output
145		Hi-Fi REC	reas ero Proposition (1966) Services (1967)	THE STATE OF THE S	;	level is -6 dBs (1.1 Vp-p). 4. If output level is insufficient, readjust the steps 2 and 3.
	e en la la compania de la compania del compania del compania de la compania del compania de la compania del la compania del compania de	SW : ON	atomic store			5. In the same manner, adjust R166 (R-CH DEV) of the FM Audio for -6 dBs (1.1 Vp-p).
7.	REC/P.B		esia detas es	20 Hz,	REC	1. Record, then play back.
	Frequency Response	(L/R)		50 Hz, 1 kHz, 15 kHz,	↓ P.B	Set the 1 kHz level for 0 dB reference signal and confirm the frequency response as shown in figure.
\$ 43		A Company of the Comp		20 kHz, -16 dBs (0.34 Vp-r))	+2 0 0 dB
- 95		uwaj ancologi Litika,	i gwlab ab 1980 edd -		-246	-5 50 Hz 15 kHz -4 20 Hz 20 kHz
8	Distortion 4 8	Hi-Fi Miles	830 (33 <u>0</u> 8) 11178 (3.5)	1 kHz 8 dBs (5.5 Vp-p)	REC ↓	1. Confirm that the distortion is less than 1.5%.
				Color Bar		

3.9 AUDIO CIRCUIT

- Audio PWB -

Part locations viewed from parts side.



No.	i tem	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
1	Level Meter	On the Meter	R180 (L-CH)	1 kHz	E-E	1. Adjust LEVEL VR for -6 dBs audio output
	al says and four	and property of the	R182 (R-CH)	-6 dBs		signal from Audio out.
1,000		AUDIO INPUT	N. AUDIO	(1.1 Vp-p)		2. Adjust R401 (L-CH) and R402 (R-CH) of
		SELECT SW	General Annahar			the Audio board for 0 dB on the level meter.
	25 U 3860 1 4	: SEP	A Street			-20 10 7 5 3 10 1 2 3 +
2	a Silan est en	1 88 (57.1. 2)	veges edil			
		1.00				0 50 100%
	egy ya sani sa	and a survey of				· /
1	· · · · · · · · · · · · · · · · · · · ·	Tos vita (i.e., 1971)	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		:	
2	P.B Level	MONITOR	R9 (L-CH)	MH-1	P.B	1. At 1 kHz 0 dB playback, adjust R9 (L-CH
. 50	Company of the Company of the Company	OUT	R70 (R-CH)	1 kHz,		P.B. LEVEL) and R70 (R-CH P.B. LEVEL)
	ar state \$67 m	(L/R)	N. AUDIO	0 dB	. 5 '	to obtain audio output levels with no load
	n gymnosen i s	N. AUDIO	'א א א	' A ' A		of -8 dBs (0.88 Vp-p).
	1,000,000	and specification of	$\mathbb{R}^{-1} \mathbb{N} \mathbb{N} \mathbb{N}$	/////		
		NR SW: OFF	. : : \	0.8	8 Vp-p	A US SOTERUM A AALO D
	i agrija vinskva militi∓ Li		I WWW	LM - L	i akir Li yer	A District Control of
2.5	Kanaga da sa Sa	4 4 4 6 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		V <u>V 1</u>	· · · · · · · · · · · · · · · · · · ·	
3	P.B Frequency	MONITOR	R6 (L-CH	MH-8	P.B	1. Adjust R6 (L-CH) of the Audio board to ob-
	Response	OUT	P.B EQ)	400 Hz,		tain the frequency response shown in the
		(L/R)	R67 (R-CH	100 Hz,		Table (100 Hz is check only).
			N. AUDIO	8 kHz,		2. Set the 400 Hz signal for 0 dB referenc
			- '	-20 dB		level. Frequency Level (dB)
1			:			
			:			400 Hz 0 dB
						100 Hz -0.5 ± 2.0
1						8 kHz 0 dB
1			4			3. In the same manner, adjust R67 (R-CH) of
1] -	the Audio board.

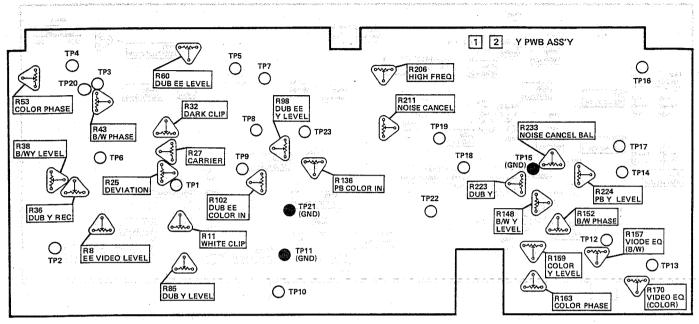
No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description and Waveform
4	Bias Level	N. AUDIO	R183 (L-CH BIAS) R184 (R-CH	No signal	REC	Connect an Audio tester to connector of the A/C HEAD PWB. Adjust R183 (L-CH BIAS LEVEL) and
	•	/C HEAD PWB	BIAS) N. AUDIO			R184 (R-CH BIAS LEVEL) of the Audio board to set the bias levels for 3.5 mVrms.
Tank Proceedings (for	1 2	1		· · · · · · · · · · · · · · · · · · ·	() A	3.5 mVrms
	3		i sejin 1 Jan - 1 Jangse		្តី ឧសភាគ្គិមន	V V V V V V V V V f = 70 kHz ± 5 kHz (TP13 or TP14)
5	Audio REC	MONITOR OUT	R12 (L-CH) R73 (R-CH)	1 kHz –6 dBs	REC ↓	1. Adjust R12 (L-CH REC LEV) and R73 (R-CH REC LEV) to obtain audio output levels
	Level	001	N. AUDIO	(1.1 Vp-p)	1	with no load of —6 dBs (1.1 Vp-p).
	95,562.08	AUDIO INPUT SELECT SW	profits () ()	to AUDIO		
		: SEP NR SW : OFF		STANDARD		1.1 Vp-p
	L	NR SW : UFF			,	V V V V V
S 100			7 17,			Note: Confirm that level difference between L- CH and R-CH is within 0.5 dB.
					81 (C. 15)	Section Control of the Control of th
6.	REC/P.B Frequency	MONITOR	R183 (L-CH) R184 (R-CH)		REC ↓	1. Supply audio input signal of 100 Hz, 20 Hz and 12 kHz at -26 dBs to LINE IN.
	Response	(L/R)	N. AUDIO	12 kHz	P.B	2. Confirm that the frequency response is as
23.	grad war left f	ALIDIO INDIE	n in geglungså i like I	-26 dBs	-	shown in the following Table. 3. Set the 1 kHz signal for 3 dB reference level.
7.	The second second	AUDIO INPUT SELECT SW		(0.11 Vp-r) 	4. If 12 kHz is insufficient, readjust the bias
	er er er er er	SEP	I .			level (Section 3.9.4).
		NR SW : ON				If 12 kHz level is higher than the spec., change the bias level to higher side (Max. 4.0 mVrms).
						● If 12 kHz level is lower than the spec.,
1 2 2		. Vapius to stability ou	Frequency	Level (d	3)	change the bias level to lower side (Min. 3.0 mVrms).
	Nan Selection	1 28 2 P	1 1	-2.0 ± 3	dB	Note: Confirm that level difference between
3.30	ta taran anaka	district states	100 Hz	0 ± 2.5 d	1	CH-1 and CH-2 is within 3 dB at 12 kHz. Disengage the bias adjust connector when
		e Na Se Kipa y awa	MIZ KIIZ	0 ± 2.5 d	<u>B</u>]	checking the frequency response.
. 7	Crosstalk	MONITOR	R51	3 kHz	AUDIC	1
	Cancel	OUT	N. AUDIO	—20 dBs	DUB	minimum L-CH level with no load (MONI-
5	CONTRACTOR SOC	MONITOR	foliopy for Later a	શ. લ્	Basella Printer	
,		SEL SW : NORMAL			e al	especial control of the control of t
- 4	Long On I was					
-	a Signal Andrea					
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3.10 VIDEO CIRCUIT

- Y PWB --

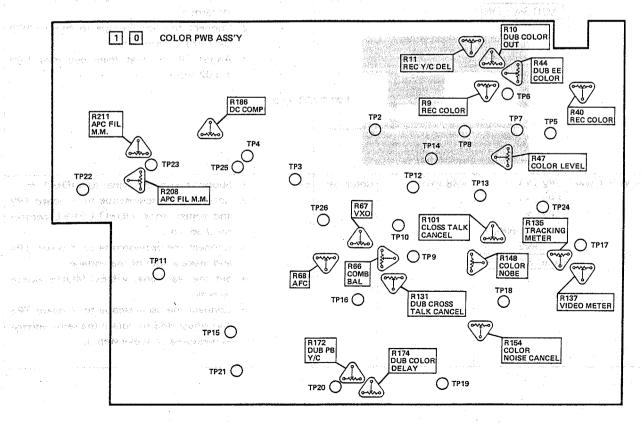
Part locations viewed from parts side.

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- Color PWB

Part locations viewed from parts side.



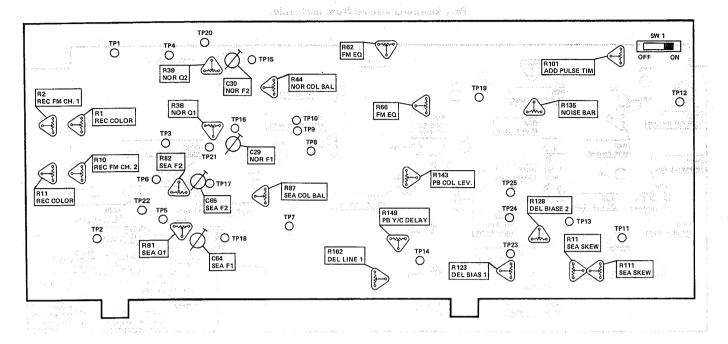
BANA DENGARA -

- PRE/REC PWB -

Part locations viewed from parts side

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BBAY -



No.	Item	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
1	AGC	VIDEO OUT	R8 [Y] ** ****	Color bar	E-E-Section	1. Supply the color bar signal to the VIDEO IN terminal.
	Control of the Contro	AGC SW . UN		1.00 ± 0	.02 Vp-p	 Connect the oscilloscope to the VIDEO OUT (75 Ω terminated). Adjust R8 so that level becomes 1.00 ± 0.02 Vp-p.
2	B/W Y Level	TP2 [Y] TP4 [Y] TP3 [Y] VIDEO INPUT: LINE AGC SW: OFF	R38 [Y]	Color bar	E-E	 Supply a color bar signal to VIDEO IN. Connect the oscilloscope to Y board TP2 and adjust front VIDEO LEVEL control for 0.35 Vp-p. Connect the oscilloscope to Y board TP4 and make a note of the voltage. Set the rear panel VIDEO MODE switch to B/W. Connect the oscilloscope to Y board TP3 and adjust R38 to obtain the same voltage as measured in above step 3.

No.	l tem	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
	Deviation 1997	IC2 pin 1	R25 [Y]	Color bars.	E-E	 Supply a color bar signal to VIDEO IN. Use an oscilloscope to measure the DC voltage of the sync tip at Y board IC2 pin 16. Make a note of this as voltage "A". Then without a connection to VIDEO IN, use an external DC power supply to apply voltage "A" to pin 16 of IC2. Connect a frequency counter to pin 11 of IC2. Adjust Y board R27 to obtain 3.8 ± 0.1 MHz. Carefully raise the DC power supply voltage to where the frequency reaches 4.8 ± 0.1 MHz. Make a note of the voltage at this time as voltage "B". Disconnect the external DC power supply from IC2 pin 16 and again supply the color bar signal to VIDEO IN. Set for the Recording mode and connect the oscilloscope to IC2 pin 16. Adjust R25 to where the white peak equals volt-
4	White and Dark Clip	R11	R11 (WHITE CLIP) R32 (DARK CLIP) [Y]	Color bar	E-E	age "B". 1. Supply a color bar signal to VIDEO IN. 2. Connect the oscilloscope to Y board TP1. 3. Refer to the figure and adjust the oscilloscope to set portion A of the waveform (between sync tip and white level) to 4 scale divisions on the oscilloscope. 4. Adjust R11 to set the white clip to 3.4 scale divisions and R32 to set the dark clip to 2.0 scale divisions.
			A:B:C=4:3	3.6 : 2.0 1		
5	AFC	TP3 [COLOR]	R68 [COLOR]	Color bar	E-E	 Supply a color bar signal to VIDEO IN. On the Color board, short TP4 and L4. Connect a frequency counter to TP3 of the Color board (use 10 Mohm probe). Adjust R68 for 625 ± 2 kHz. Disconnect the short from TP4 and TP25.
6 12 12 12 12 12 12 12 12 12 12 12 12 12	VXO The second of the second	TP26 [COLOR] 2016 2016 2017	(14) (14) (17) (15) (17) (27) (27) (17) (17) (17) (17) (17) (17) (17) (17) (17) (17) (17)	MH-2 Color bar	P.B.	 Play the color bar signal of the MH-2 alignment tape. Connect the frequency counter to C.F. DET TP26 (use 10 Mohm probe). Adjust R67 for 4,443,619 ± 50 Hz.

No.	ltem	Check Point	Adjustment Parts	Signal⊠	Mode	Adjustment Procedure
in American	An Especia (a) Especial Anglista (a) Especia	VIDEO AGC: ON	1. Y IN 2. GND 3. DRUM PULSE 4. GND 5. C. IN 6. GND 7. C.F. PULSE IN	DUB OUT 1. Y OUT 2. GND 3. DRUM PULSE 4. GND 5. C. OUT 6. GND 7. C.F. PULSE OI	E-E	The state of the s
	n and several	ET SEE VEST SEE SAN EE		Steller Steller		The control of the co
8	DUB E-E Input Y Level	TP7 [Y] VIDEO INPUT: DUB	R85 [Y]	Color bar	E-E	 Supply a color bar signal to VIDEO IN. Connect dubbing cable from DUB OUT to DUB IN. Connect the oscilloscope to Y board TP7 and adjust R85 for 1.0 ± 0.05 Vp-p.
9	1 4 2 - 1 21 /4/20	TP2 [Y] TP4 [Y] TP20 [Y] VIDEO AGC: OFF VIDEO INPUT: LINE → DUB	n settin in i	Color bar	E-E	 Supply a color bar signal to VIDEO IN. Set the VIDEO AGC OFF and set the VIDEO LEVEL control to obtain 1.0 Vp-p at VIDEO OUT (75 ohms termination). Supply Y signal to DUB IN pins 1 and 2. Adjust the DUB IN levels to obtain equal level at Y board TP2 when the VIDEO INPUT switch is operated between LINE and DUB. Set the VIDEO INPUT switch to LINE. Connect the oscilloscope to Y board TP4. Make a note of the voltage. Set the VIDEO INPUT switch to DUB. Connect the oscilloscope to Y board TP20. Adjust R36 to obtain the same voltage as measured in above step 6.
				:	٠	

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
10	Level	TP21 [COLOR] TP5 [COLOR]	R40 [COLOR] R9 [COLOR]	Color bar Sinewave	wa DBANA	1. Supply a color bar signal to VIDEO IN. Connect dubbing cable to DUB IN and
) ordy	· "	VIDEO INPUT: DUB → LINE	1 4 7	(650 kHz)	de d	connect a 75-ohm resistance in series with pins 5 and 6 of the dubbing connector.
		3) begegte speeme is 3.6.7 besom selfte		.'	1	2. Apply a 650 kHz sinewave and adjust for 0.9 Vp-p between pins 5 and 6.
		6		1		3. Set the video input for the Dub mode and
	Marine America		75 Ω			connect the oscilloscope to TP21 of the
generat	raportal (II sovie				1	Color board.
	ارد ارد داد <mark>کوه کرد</mark>		5a, 3t, 4 50a - 11	50 kHz		4. Adjust R40 for 0.9 Vp-p. Also make a note of the level at TP5 of the Color
		l 0.9 Vp	p ('U)si	ne wave SC		board.
1,500,000	mandala minito dia	1 Kan 1844 1945 1	· - 4683475			5. Set the VIDEO INPUT to LINE and con-
. DARB	San arp 1964/1866/err ins	\$ rga 20. 7777	riboge , phr Carlos			nect the oscilloscope to Color board TP5. Adjust R9 to obtain the same voltage as
	and the state of t		- 1988年第二 			measured in above step 4.
11	DUB 7-pin	TP21 [COLOR]	R10 [COLOR]	Color bar	E-E	Supply a color bar signal to VIDEO IN.
To g	Color Out	TF21 (COLON)		55.01 bar		2. Connect the oscilloscope to Color board
1 15			n regent			
1 5.8	8,560 <u> </u> 350					3. Adjust R10 for 0.9 Vp-p.
12	DUB Line	TP2 [COLOR]	R44 [COLOR]	Sinewave	E-E	1. Supply a 650 kHz sinewave as described
1	E-E Color	VIDEO INPUT:	500 635	(650 kHz)	1	in above item 10. 2. Connect the oscilloscope to Color board
NO	Out 1	Alternative energies	3 6 A			TP2.
1	the state of the second	等の技術機能である。 1775年1日の機能のようでは1775年	ga garan inganisan salah s			3. Adjust R44 for 0.12 Vp-p.
13		TP6 [Y]	R11 [COLOR]	20T Pulse	E-E	1. Supply a 20T pulse to VIDEO IN.
	Delay	TP5 [COLOR]	CET VA			2. Connect a dual-trace oscilloscope to Y
4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	and the Contract of the	VIDEO INPUT:		20T pulse	1	board TP6 and COLOR board TP5. Set the oscilloscope to MIX.
F-654	an Cagar China Lineau Lineau	SERVE PROPERTY OF	/	\	14 and	3. Adjust R11 to equalize the lower periph-
	ri April 19 ge	Mark Brown Groups	l			eries of the pulse waveform.
11.00	April Calendar San	(AC) S. C. TO MISCONI MODERN (ASIC) ASIC CONTRACT	ranid Santa di A			
		्लाहर				
1602	reservated in the search of	1987年7月1日本 -		 		
14	REC FM	TP1 [PRE/REC] TP2 [PRE/REC]	R2 [PRE/REC] R11 [PRE/REC]	Color bar	REC	1. Supply a color bar signal to VIDEO IN and set for the REC mode.
	Level	VIDEO INPUT:	MA SE SES			2. Connect the oscilloscope to TP1 of the
245	1. 18 - 1. 18 12 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	LINE 805 90	\$1- (#52)			Pre/Rec board. Trigger the oscilloscope
	er extensive service of	voi aviiteme ema se rocaviitema ema se	Property Language			externally with the signal from Drum Servo board TP24.
1000	port of the section	5.6 - 242. 15.83.00 - 03	Total Management	· · · · · · · · · · · · · · · · · · ·	. :	3. Adjust R2 to set the pedestal to 3.0 Vp-p.
		TP1, TP2	1			4. Refer to and connect the oscilloscope to
-		(P/R)	3.0 V	p-b		Pre/Rec board TP2 in the same manner as
		·	<u> </u>	!!!!!!!!!!		above step 2. 5. Adjust R11 to set the pedestal to 3.0 Vp-p.
	ing on to your 10, 30, 50 cm.		1	- .		6. Use a spare tape, record and play back.
T	1.000	TP37 (FM A.)	7	76 mVp-p		Connect the oscilloscope to FM Audio
	19 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		**************************************			board TP37 and check for FM waveform level greater than 76 mVp-p.
1						7. If outside of this specification, in the REC
				1		mode, adjust the REC FM level in the
						range of 0.2 V step down (2.8 V \rightarrow 2.6 V \rightarrow 2.4 V). Again check by recording and
				s - 1	<u></u>	playback.
<u> </u>	1	<u> </u>				3-21

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
15	Head	NORMAL	NOR CH-1	Sweep		
OFF	Resonance	TP10[PRE/ 👓	C30[PRE/REC]	signal - /	STILL	board TP10.
1999	Qalees re-assess	REC]	R39[PRE/REC]	. I is ideal Oile	Par I	2. Use a blank cassette tape and set for the
-	rithanishada cakhir filosodikili	SEARCH	NOR CH-2			Play mode.
1808		TP7[PRE/	C29[PRE/REC]	1		3. Apply sweep signal (approx. 12 mVp-p)
	ija s separad		R38[PRE/REC]			to Pre/Rec board TP4. Adjust C30 for Fo
144	sistem demonstra					= 5.3 MHz. Adjust the oscilloscope to set
95577	5.5 T. S. M. S.	erectable and th		1	()	the 100 kHz level to 3 scale divisions,
		54366 127 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			!	then adjust R39 to set the 5.3 MHz level
		y (\$45) wat (\$44) y	SEA CH-2	Rya	1997	to 5 scale divisions. 4. Apply the sweep signal to TP3.
404	to were the 接觸的	the medical term officer	C64[PRE/REC]	42 11 2 25 10	service and	5. Connect the oscilloscope to Pre/Rec
	land Salver in the	75 km. 086 i is	⇒R81[PRE/REC]	1	256 - 200	board TP7. Set for the Still mode and
1 1/4 mg		e car seen navaste i see en eegitaleeta varaa est			i septom	again adjust in the same manner as above
		residenti Mary	1		1.446	step 3.
	Signature Salaria (Salaria)	awar weedhik in Dari				
						Mode Signal GND Check fo Q
	general services and the services	100 kHz	5.3 MHz	100 1935 WAY	De la Serie	1) 32 (3) 32 - 1 34 Hibar (32) bourt by (2) 2.
1000				,		NOR CH-1 TP4 TP20 TP10 C30 R39
						NOR CH-2 TP3 TP21 TP10 C29 R38
	-	- Y. B. W. B.	<i>y</i>			SEA CH-1 TP6 TP22 TP7 C65 R82
	1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1			kon 1997 12	SEA CH-2 TP5 TP22 TP7 C64 R81
C#141	A Andrew Control of Control	3	e e e e e e e e e e e e e e e e e e e	5		
	and the second					Notes:
						This adjustment is required after replacing
	49.3					the upper drum assembly.
			A comment of the second of the			If the sweep generator has a trigger out-
	4 5 4 4 4 4 5	TODE O	gasa' Ji - B	F. Was the	Kir Hugi	put, trigger the oscilloscope externally
	a response C	la casa di Assar di Maria	696D J			with this signal.
16	P.B. Color	TP14[PRE/	R44[PRE/REC]	MH-2	PLAY	1. Connect the oscilloscope to TP14 of the
100	CH Balance	REC]	R87[PRE/REC]		A Mile	Pre/Rec board. Trigger the oscilloscope
115		TP7[PRE/REC]			PLAY	externally with the signal from Drum
		The state of the s			*	Servo board TP24.
					STILL	2. Play the color bar signal of the MH-2 align-
				· · · · · · · · · · · · · · · · · · ·		ment tape.
						3. Set the TRACKING control for maximum
7.1	the state of the s	ol pieči roduji	es was the contract of the con	Mr. Artista	o joyaas	
Ì	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Logardo en la	. 1405		108848	
960	W. 10 10 44	C. D. C. C. A. 198	autoff i			4. In the Still mode, turn the pinch roller to
- 903	a Blatteres of 1	Marine Charge 108	18 . s -, 4.		į.	produce the search head waveform and
. 4 132	State & S	. 124 - 124 - 1418 -	Section C			made a note of this level.
		A STANT OF WEAT	on te ^{tt}			5. Reverse the oscilloscope trigger and adjust
1.0		・ 一部 一部 大学作品	1. VT		e are with peny	R87 to obtain the same level as measured
	s., .0''' / '''	TOMORROUS RAPERS	lag 4 m di			in the above step 4.
	t has a single of	. A Mil Money ar				Mark the Children Control of t
-			s y significant		BOXES DOM	
	,		* "			
3/5		1.5 A 460 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		10-21-21		
0.44		distriction of the second	1		4 / 5 / 5 / 5 / 5	
		andres et la la contraction de	1 .		1055000	
1.2%		A CARROLL SERVICE AND RESERVE				
979						
. 37.4		and the second				
		Baro olayah diri	**			
<u> </u>			<u> </u> 	I	<u> </u>	

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
1 (24) 1 (24) 2 (24) 2 (24) 2 (24) 2 (24) 2 (24) 2 (24)	Level The control of	TP14[PRE/s of REC] REC] REC] RECISION STORMS TO THE STORMS TO TH	REC] R1 [PRE/REC] R10 [PRE/REC]	MH-2 Color bar	REC	 Connect the oscilloscope to TP14 of the Pre/Rec board. Trigger the oscilloscope externally with the signal from Drum Servo board TP24. Play the color bar signal of the MH-2 alignment tape. Adjust R143 for 0.4 Vp-p waveform. Record and play back a color bar signal. At (—) trigger slope, adjust R1 for 0.44 Vp-p, and at (+) trigger slope, adjust R10 for 0.44 Vp-p.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u>"</u>	R162[PRE/ REC] R123[PRE/ REC] R128[PRE/ REC]	MH-2	STILL	 Play the color bar signal of the MH-2 alignment tape and set for the Still mode. Connect the oscilloscope to Pre/Rec board TP7 and adjust R162 for 0.25 Vp-p. Connect the oscilloscope to Pre/Rec board IC13 pin 3 and adjust R162 for maximum level. Confirm 0.15 ± 0.05 Vp-p at IC14 pin 6. Connect the oscilloscope to Pre/Rec board IC14 pin 3 and adjust R128 for maximum level.
19	Level Action of the control of the c	e estrumi. Mente i la	REC]	Color bar	REC ↓ PLAY	 Supply a color bar signal to VIDEO IN. Connect the oscilloscope to TP8 of the Pre/Rec board. Trigger the oscilloscope externally with the signal from Drum Servo board TP24. Record and play back the color bar signal. Make a note of the FM level. Play back in the Still mode and adjust R135 for equal level as measured in the above step 3.
20	10 a 2 500 to 1 a 4 a 4 a 4 a 4 a 4 a 4 a 4 a 4 a 4 a	Monitor TV	R110[PRE/ REC] R111[PRE/ REC] R135[PRE/ REC]	MH-2	STILL STILL	 Play the color bar signal of the MH-2 alignment tape and set for the Still mode. Connect a monitor to VIDEO OUT. Adjust R110 and R111 to minimize skew distortion. Adjust R135 to minimize noise amplitude as observed on the monitor.
1	Timing Timing State of the second s	And the second second	TP12 (P/R)	MH-2	STILL	 Play the stairstep signal of the MH-2 alignment tape and set for the Still mode. Check that the Pre/Rec board switch is ON (observed from left side of the front panel side. Right position is ON). Connect the oscilloscope to TP12 of the Pre/Rec board. Trigger the oscilloscope externally with the signal from Drum Servo board TP24. Set slope to (+). Adjust R101 for 300 μs between the TP24 waveform rise and TP12 waveform fall. Set the slope to (-) and confirm the 300 ± 30 μs to TP waveform fall. Also check for TP12 pulse width of 415 ± 40 μs.

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
22	quency Response Channel	TP22 [Y] (SS on the property of the property o	R62[PRE/REC]	MH-8	PLAY (1988)	alignment tape.
	, pagasar republikan a p gasa - pagasar sabaya a p gasa - pagasar sabaya a p gasar sabaya	Service Services Service Services A consideration of the services Services Services Services Services Services Services Services Services S	เมื่อสารที่วันสิก เพิ่ง รับบานเทพิช แล้ง เพลง เพล			TP24. Use (+) slope for CH-2 and (-) slope for CH-1. 3. Turn Pre/Rec board R66 to minimize high frequency response. 4. Check for channel difference within 1 dB
5923	and the second	ergemetere i Aren i Ario An Bargaria, kinas NAS Erginsaria, aren ian	Constanting to the constant of			at 2 MHz. If necessary, adjust the higher channel level to match the lower (R39 for CH-1 and R38 for CH-2). 5. Adjust the oscilloscope to the 100 kHz level to 4.0 scale divisions. Then adjust R62 to set the 2 MHz level to 3.0 scale divisions.
23	P.B. Color B/W Y Level	TP14 [Y] 1 (All of the second	R159 [Y] R148 [Y]	Color bar	REC	 Supply a color bar signal to VIDEO IN, record and play back. Set the Video mode to COLOR. Connect the oscilloscope to Y board TP14.
\$ 44 \$ 44 \$ 50	er i var ett och j skolorett och storet perktoret och		er ekste System fill til Broken fill Kroken fill til ske	150 150		Adjust R159 for 0.55 Vp-p. 3. Record and play back a color bar signal in the B/W mode. 4. Adjust R148 for 0.5 Vp-p at TP14.
24	20 T Pulse Phase EQ	TP14 [Y] VIDEO INPUT: LINE TAPE: T-120SHG (JVC or Fuji)	R152 [Y]	20 T Pulse	REC ↓ PLAY	 Supply a 20T pulse to VIDEO IN. Connect the oscilloscope to Y board TP14. So that the ringing component of the 2T pulse is symmetrical left and right, adjust R163 for the Color mode and R152 for the B/W mode.
		s a les colons le Succession de la colons La colons de la colons de siste de la colons colons de la colons				1 \$1 10 10 10 10 10 10 1
25	Video Frequency Response	TP18 [Y] VIDEO MODE: COLOR	R170 [Y] R82[PRE/REC] R81[PRE/REC]	MH-8	PLAY	 Connect the oscilloscope to Y board TP18. Trigger the oscilloscope externally with the signal from Drum Servo board TP24. Play the MH-8 alignment tape.
3.1 W					STILL	 3. Adjust the oscilloscope to set the 100 kHz level to 5 scale divisions. Then adjust R170 to set the 2 MHz level to 4.5 scale divisions. 4. In the Still mode, use (+) slope and turn
Sign On 1	il menti menge il menti mengebua dali mendia saan	TO SEE THE SE THE SE T				the pinch roller to produce the waveform. 5. Adjust the oscilloscope to set the 100 kHz level to 5 scale divisions. Then adjust R82 to set the 2 MHz level to 4.5 scale divisions.
40	ik sala ili s	1	1950 - 1950 1970 17 July 1950 - 1950		1 - 1 - 1 - 3# - 1 - 1 - 1 - 3#	6. Use (—) slope and adjust R81 in the same manner.

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
26	Noise Cancel	TP24 [Y] VIDEO MODE: COLOR TAPE:	e ware	Color bar	REC ↓ PLAY	 Supply a color bar signal to VIDEO IN, record and play back. Connect a 0.022 μF capacitor between Y board TP24 and GND.
in the		T-120SHG	18 V			Connect the oscilloscope to TP24 and adjust R233 for minimum level.
137	~~~ <u>~~~</u>	John Arekvirin			1	
27	P.B. Video Out Y Level	VIDEO OUT DUB OUT	R223 [Y] R224 [Y]	Color bar	REC	Supply a color bar signal to VIDEO IN, record and play back.
· 持续。		(Pin 1 with 1 k Ω load)			PLAY	2. Terminate DUB OUT pins 1 and 2 at 1 kohm and connect the oscilloscope.
neger neger	en sektorek eta arri Kontrako erakoa Kontrako erakoa Erakoa	TAPE: T-120SHG (JVC or Fuji)	# 6000 (1) (2) 1. 18 * 2) (1) 3 (1) (1) (1) (1) (1) (1) (1) (1	े र ११५० र ४ अस्ति । १५ १४५० र ४ अस्ति ।		 3. Adjust R224 for 1.00 Vp-p. 4. Terminate VIDEO OUT at 75 ohm and connect the oscilloscope. 5. Adjust R223 for 1.00 Vp-p.
28	Video Frequency Response (2)	TP18 [Y] VIDEO MODE: COLOR	R170 [Y] R157 [Y]	MH-8	PLAY	Play the MH-8 alignment tape. Connect the oscilloscope to Y board TP18. Trigger the oscilloscope externally with the simple from Drum Same board.
in Egy ang is	Stranger (1997) of the second	कारती (क्रम स्ट्राइट अक्ट्रिकेट १८) १८८० - मेर्च पुरस्कृतिक प्रकृतिकार १८८० - स्ट्राइट अस्ट्रिकेट	20 m			with the signal from Drum Servo board TP24. 3. Adjust the oscilloscope to set the 100 kHz level to 5 scale divisions. Then adjust
5133	7 (10) 10 (14)	to see your to be seen and the seed and the		1870 (KC 10)	90.000 100.000	R170 to set the 2 MHz level to 4.5 scale divisions (-1.0 dB). Confirm the following values.
713. 114.0	1	ng ng panggapang ng Manggapanggapang R				Freq. 100 kHz = 5.0 div. 100 kHz = 0 dB 1 MHz 6.3 - 4.5 0 ⁺² dB 2 MHz 4.5 -1.0 dB
a. (4,1)		VIDEO MODE: B/W		1999	to the second of	 4. Set Video mode to B/W. 5. Adjust the oscilloscope to set the 100 kHz level to 5 scale divisions. Then adjust R157 to set the 2 MHz level to 4.5 scale divisions (-1.0 dB). Confirm the following values.
				4. A		Freq. 100 kHz = 5.0 div. 100 kHz = 0 dB 1 MHz 6.3 - 4.5 0 ⁺² dB 2 MHz 4.5 -1.0 dB
29		VIDEO OUT LINE (VIDEO) MODE SW:	R211 [Y]	Stairstep	REC	2. Terminate VIDEO OUT at 75 ohms and
1.25¢	Higher Largery Call	MODE 2 VIDEO MODE: B/W TAPE:				connect the oscilloscope. 3. Adjust R211 for minimum noise at 50% white. (Use delay function for oscilloscope when adjusting.)
	eproestigent de locati		1826 (). - 1924-184 -			Alternate method: 1. Connect a video noise meter to VIDEO IN and VIDEO OUT. 2. Set Video mode to Color, record and play
						back a 50% white signal. 3. Adjust R211 for optimum S/N.

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
	Aperture	VIDEO OUT VIDEO MODE: COLOR LINE(VIDEO) MODE SW: MODE 2	R206 [Y]	MH-8	PLAY	 Terminate VIDEO OUT at 75 ohms and connect the oscilloscope. Trigger the oscilloscope externally with the signal from Drum Servo board TP24. Play the MH-8 alignment tape. Set the LINE mode switch to MODE 2 and adjust R206 to obtain the frequency response (-2 dB at 2 MHz) indicated in the table.
With the	e de la companya de La companya de la co	ত্র স্থান্ত প্রক্রাক্তির ব্যবহার করে বিদ্যান্ত বিদ্যান বিদ্যান্ত বিদ্যান বিদ্যান বিদ্যান বিদ্যান্ত বিদ্যান বিদ্	eroer in the second	्र च क्याच्या १५६६ हेर्स १५		Freq. 100 kHz = 5.0 div. 100 kHz = 0 dB 1 MHz 6.3 - 4.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
za *	ি সেপার নির্বাহন বি বিশ্ববিদ্যালয়ের বিশ্ববিদ্যালয়ের বি	korka (Bilata oranggo) Lampankon arak 1200				2.5 MHz 4.5 = 2.2 -4.0 ± 3 dB
31 (3) PS	DUB Mode	VIDEO OUT VIDEO INPUT: DUB VIDEO MODE: COLOR	R98 [Y] R102 [Y]	Color bar Sinewave (650 kHz)	E-E	 Connect dubbing cable to DUB IN and supply a Y signal to pins 1 and 2. Insert a 75 ohm resistance in series with pins 5 and 6, and apply a 650 kHz sinewave. Adjust the oscillator output for 0.9 Vp-p
. NagCi	s petranti	e flater en men na e fingegin d enon en nye en namenenge en he en enem e en	9389 \$189		, , , , , , , , , , , , , , , , , , ,	between pins 5 and 6. 3. Terminate VIDEO OUT at 75 ohms and connect the oscilloscope. 4. Adjust R98 to set the Y level to 1.0 Vp-p. 5. Adjust R102 to set the burst level to 0.28 Vp-p.
32	APC Filter	TP22 [COLOR] TP15 [COLOR] VIDEO MODE: COLOR	The second second	Color bar	REC ↓ PLAY	 Supply a color bar signal to VIDEO IN, record and play back. Connect the oscilloscope to Color board TP22. Trigger the oscilloscope externally with the signal from Drum Servo board TP24.
19824	The second as	28.00 <u>0.00</u>	TP- (D/C) TP- (COL	SERVO) 		 3. Adjust R208 so that t1 = 1.56 ms. 4. Connect the oscilloscope to Color board IC18 pin 6. 5. Adjust R211 so that t2 = 1.80 ms.
2500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		IC IE (COL	3-6pin .OR) 		
33	.90 or 122,000 (00,000)	TP2 [COLOR]	entere s Sentere s Senteres	MH-2	PLAY	 Play the color bar signal of the MH-2 alignment tape. Connect the oscilloscope to Color board TP2. Trigger the oscilloscope externally with the signal from Drum Servo board TP24. Adjust R47 for 0.15 Vp-p waveform.
	. Design of the second of the	Amerikan en mi Lener - Grane - Le Baron (1948) - Les Granes - Lener - SC Lener Entrepart Lener hi Legens Indonésia (1968) - Le Legens Indonésia (1968) - Le Legens Indonésia (1968) - Le Legens Indonésia (1968) - Le	1840 - 1 1850 - 1 1861 - 1			Note: Set TRACKING to maximum.

No	Item	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
34	DG	TP15 [COLOR]	R186[COLOR]	Stairstep	REC	1. Supply a stairstep signal to VIDEO IN.
Sass	೧೯೪೮ನಲ್ಲಿ ಕು ಇ	VIDEO OUT VIDEO MODE:			PLAY	record and play back. 2. Connect the oscilloscope to Color board
4400	C 1983 de productiva de la constant	COLOR TAPE:				TP15. 3. Connect a vectorscope to VIDEO OUT
Jorda		T-120SHG (JVC or Fuji)	er stated Amerikan			(terminate at 75 ohms).
0.1837	aki nebisanba is	p Flw 62 reliablement 1-	sarihanes (4. Adjust R186 to where the oscilloscope waveform is flat, while the vectorscope
355		1P15		1	(Maye)	dots are converged.
1 3 A.D.		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	P15 Incorrect			
	· · · · · · · · ·		<u> </u>			
Sea y		7015 2007 20	Correct	- 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (7	
35		fonds meddel opidie	ariara.	. 188		
35	Crosstalk Cancel	VIDEO MODE:	R101 [COLOR] L14 [COLOR]	Color bar	REC	 Supply a color bar signal to VIDEO IN, record and play back.
to acc		COLOR	n de la constitución de la const	in and the second of the secon	PLAY	 Connect a monitor-TV to VIDEO OUT. Adjust the TRACKING for minimum FM
		Pausi ywys. Johns Pusan pain pagy	i Brownig (n. 1945) 1940) - Frank States	P	40. A 44. A	level as observed on the VIDEO meter.
100g.	and the second	an en fillige brend. Deeple of the angle	nist Mariti		\ \text{\tint{\text{\tint{\text{\tint{\tint{\text{\text{\tint{\tint{\text{\text{\text{\text{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\text{\text{\text{\text{\tint{\tint{\tint{\text{\text{\tint{\text{\text{\text{\tint{\te}\tint{\text{\text{\text{\text{\text{\text{\tint{\text{\tint{\text{\text{\text{\text{\text{\text{\text{\tint{\text{\tint{\tint{\tint{\text{\tint{\text{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tint{\tin}\tint{\tint{\tint{\tint{\tint{\tiin}\tint{\tiin}\tint{\tint{\tin}\tint{\tint{\tiin}\tint{\tint{\tint{\tint{\tinin}}\tint{	4. Mutually adjust R101 and L14 to eliminate 2H interval noise from the picture.
36	an Yes tests	on, etc. g. 158 Pop. 1956 egang ((Constant)			CANAGE OF THE STATE OF THE STAT
,	Balance	1	R66 [COLOR]	Color bar	REC	1. Supply a color bar signal to VIDEO IN, record and play back.
	- jns ⇔ <u>s</u> f				PLAY	2. Connect the oscilloscope to Color board TP12.
n de Tabya	ron in 1904 with order General Community	1	्राप्ती में शिक्ष स		A 7 7 9 7 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9	3. Adjust R66 for minimum noise level.
4.0	y to the sign of	an in property of	en g			independing Antiference Antiference
	and the same of the same					Minimum
	Land Land	e significant de p Empare esperante per p	921 1 A	965年 - 1977 -		
Pandit			rse .			
h.o.c			1	e		
37	Color Noise	TP18 [COLOR]	R148 [COLOR]	Color bar	REC .	1 Supply a color bas sized to 20050
	Level	TAPE: T-120SHG			↓	Supply a color bar signal to VIDEO IN, record and play back.
		(JVC or Fuji)	ati i	180 - 211	1	2. Connect the oscilloscope to Color board TP18.
i va Hova	1	Title Stuff ensamme AT order times s	With the second		[3	3. Adjust R148 for minimum level.
rVE	gavite se	18 15 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19				Section (Section)
		941	0			

No.	ltem	* Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
38	talk Cancel		R154 [COLOR] R131 [COLOR]	* .	REC ↓ PLAY	 Supply a color bar signal to VIDEO IN, record and play back. Connect the oscilloscope to Color board TP20.
11.02	rowen a r	T-120SHG (JVC or Fuji)	ned x	() . ()		3. Set R154 to its mechanical center position.
	serbase ant et typics who et	্রতীয়ক্ষর্যকর এই ইউন্সাদির বিশ্বরূপ বিশ্বরূপ বিশ্বরূপ বিশ্বরূপ বিশ্বরূপ	SpeCys Service Spec	in.		4. Turn the TRACKING control from the detent position to where serration occurs in the color signal waveform envelope. Adjust R131 to minimize the serration. (Turn the TRACKING control fully clock-
					en sid disense visit d	wise or counterclockwise to increase the serration level.) 5. Set the oscilloscope TIME/DIV to 1 ms or 0.5 ms. Turn R154 fully clockwise (as
, e.g.	Figure Market Report	H HHHHHH S SANGE CONSISSION A SEC SECRECE NOVES OF SECULO			1	
39	1	VIDEO OUT	R149 [PRE/	20 T Pulse	REC ↓	Supply a 20T pulse to VIDEO IN, record and play back.
, m 1	Delay Balting	VIDEO MODE: COLOR TAPE:	R172 [COLOR]		PLAY	2. Connect the oscilloscope to VIDEO OUT Terminate at 75 ohms.3. Adjust R149 to equalize the left and right
2 W		T-120SHG (JVC or Fuji)	1			peripheries of the modulated 20T pulse. 4. Terminate DUB OUT connector pins 1 and 2 at 1 kohm, and pins 5 and 6 at 1 k ohm. Then connect a dual trace oscillo
	3784 - NASES 1 (\$95) -	a a come sept forcer so		·		scope. 5. Set the oscilloscope to the MIX function. 6. Adjust R172 to equalize the left and right peripheries of the modulated 20T pulse.
40	P.B. 135° Burst	TP11 [COLOR]	R260 [C.F. DET]	Color bar	REC ↓ PLAY	 Supply a color bar signal to VIDEO IN record and play back. Connect the oscilloscope to Color board TP11.
	- (decile) Pro- Centile per de	\$ 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		ОК		3. Adjust R260 for symmetrical upper and lower sections of the waveform.
, e.,	1800 0 00	N G C C C C C C C C C C C C C C C C C C	mak Di	2 - p1 -0.5 1		TENERAL CEOUNDON PROPERTY SMERK ENGLISHED VE
41	P.B. DUB	VIDEO MODE:		Color bar	REC ↓ PLAY	 Supply a color bar signal to VIDEO IN record and play back. Terminate DUB OUT connector pins and 6 at 1 kohm. Then connect the oscil loscope.
		(JVC or Fuji)				3. Adjust R174 for 0.90 ± 0.04 Vp-p wave form.
				:		0.90 ±0.04 VP-P

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Adjustment Procedure
42	P.B. VIDEO OUT Color Level	VIDEO OUT VIDEO MODE: COLOR TAPE: T-120SHG (JVC or Fuji)	R136 [Y]	Color bar	REC ↓ PLAY	 Supply the color-bars signal of the alignment tape to VIDEO IN, and record and and play it back. Terminate VIDEO OUT at 75 ohm, and connect the probe. Adjust R136 so that burst level becomes 0.280 Vp-p.
43	Tracking Meter	TRACKING METER VIDEO INPUT: LINE VIDEO MODE: COLOR TAPE: T-120SHG (JVC or Fuji)	R135 [COLOR]	Color bar	REC ↓ PLAY	 Supply the color-bars signal of the alignment tape to VIDEO IN, and record and play it back. Turn the TRACKING control to set it to the center click position. Adjust R135 so that the tracking meter's indication is in 3.5 scale divisions.
44	Video Meter	VIDEO METER VIDEO INPUT: LINE VIDEO MODE: COLOR	R137 [COLOR]	Color bar	E-E	Supply the color-bars signal to VIDEO IN. Adjust R137 to set the video meter's indication at the center of the green zone. Note: Adjustments of this item should be performed 2 minutes after the power has been turned on.

SECTION 4 CHARTS AND DIAGRAMS

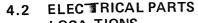
4.1 KEY TO ABBREVIATIONS

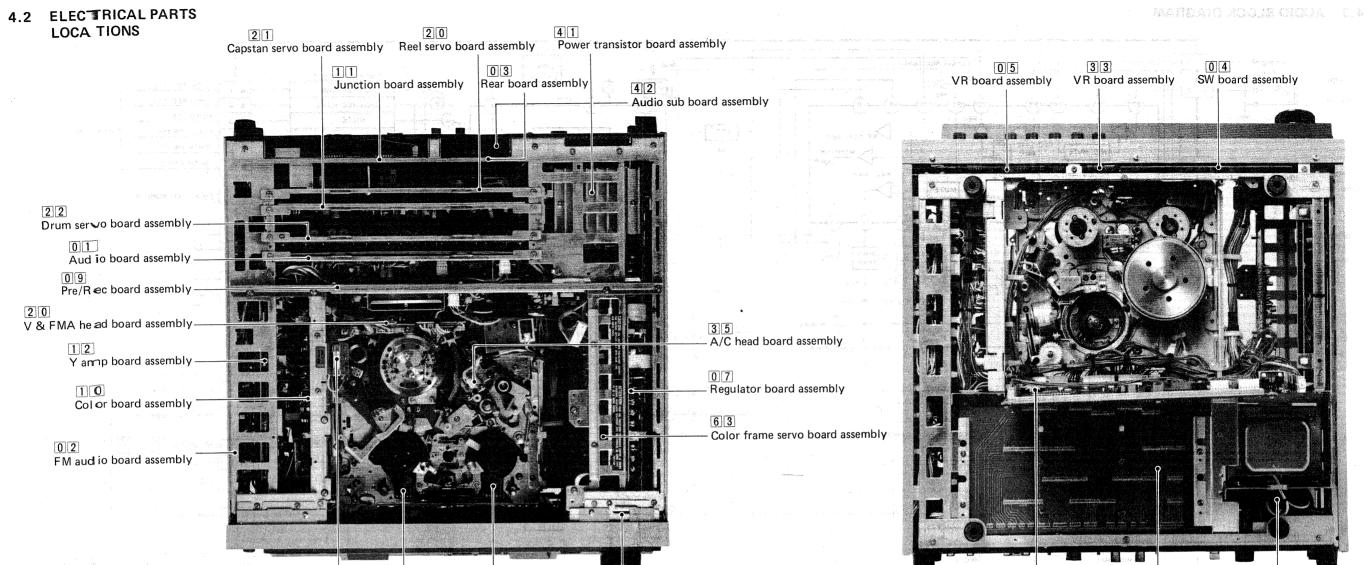
Α	ACC	: Automatic Color Control		CONN	: Connector	
, ,	ADD	: Adder		CT 🤫	· Ceramic Trap	(s#(y):
	ADC	: Analog to Digital Converter		CTC	: Crosstalk Cancel	
	ADJ	: Adjustment			est Controlatés (200)	5, 12, 5
	A DUB	: Audio Dubbing	D	D .	: Drum	·8
	AE	: Audio Erase	U	DAC	: Dightal to Analog Converte	ar E
	AEF	: Automatic Edition Function		DD	: Direct Drive	Carlotte.
	AFC	: Automatic Frequency Control		DEC	: Decoder	
	AFT	: Automatic Fine Tuning		DEMOD	: Demodulator	77.73
	AGC	: Automatic Gain Control		DEMOD	: Detector	
	АН	: Audio Head		DEV	: Deviation	
	AL	: After Loading			Drum Free RUN STOP	A.M.15
	ALC	: Automatic Level Control		DIF TRANS	: Differential Transformer	1 H + 27 STE
	ALM	: Alarm was a see				200 At
	AM	: Amplitude Modulation		DISCR DL	: Discriminator	** . * . *
	AMP	: Amplifier			: Delay Line	
	ANT	: Antenna		DOC	: Dropout Compensator	
	APC	: Automatic Phase Control		DRUM FF	: Drum Flip Flop	
	APL	: Average Picture Level		DUB	: Dubbing	
	ASSEM	: Assembly	E	E	: Edit, Erase	
	ASS'Y	: Assembly		EDP .	: Electronic Data Processing	
	ATT	: Attenuator		E-E	: Electric to Electric	
	AUTO	: Attenuator : Automatic		EF:	: Emitter-Follower	7 273
	AUX	: Auxiliary		EMPHA	: Emphasis	
				EMG	: Emergency	
	AUD	: Audio		ENC .	: Encoder	
В	В	: Brake		EN	: Enable :	
	BAL	: Balance		EΩ	: Equalizer	
	BATT	: Battery		ESNS	: End Sensor	
	BCD	: Binary Coded Decimal		EXP	: Expander	
	BEG	: Beginning		EXT	: External	
	BFP	: Burst Flag Pulse		LAI	. External	·
	BIT	: Binary Digit	F	FE	: Full Erase	
	BLK	: Black		FF	: Fast Forward	
	BLU	: Blue		•	Flipflop ********	
	BNC	: Bayonet connector		FG	: Frequency Generator	
	BPF	: Bandpass Filter		FM	: Frequency Modulation	
	BRN	: Brown		FMA	; FM Audio	. 1.
	BRT	: Brightness		FREQ	: Frequency	
	B. SOL	: Brake Solenoid		F-V CONV	: Frequency to Voltage Con	verter
	B/W	: Black and White		FWD .	: Forward	*** ***
С	С	: Ceramic	G	GDL	· Cross Dolov Line	
C	CAP	: Capstan	G		: Grass Delay Line	
	CASS	: Cassette		GEN LOCK	: Generator Lock : Ground	
				GND	•	
	CF	: Ceramic Filter, color Frame		GRN	: Green	
	CC	: Cassette compartment		GRY	: Gray	por f
	CE	: Chip Enable : Channel	Н	Н	: High, Horizontal	
	CH	: Chrominance		HG	: Hall Generator	. v
	CHROMA	: Clock		HPF	: Highpass Filter	
	CLK				Professional Control	
	CLR	: Clear and a second	ı	IF	: Intermediate Frequency	
	CMD	: Command		ÎFT .	: Intermediate Frequency Tr	ansforme
	CNT	: Count, Counter		IND	: Indicator	
	CONV	Converter		INH .	: Inhibit	* .
	COL	: Color		INS	: Insert	
	COM	: Common		INT	: Internal, Interrupt	
	COMP	: Comparator		INV	: Inverter	
,		Composite		1/0	: Input/Output	
		Compensation				

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				C	0	Complete Company and American	2 Mar 12 2 Mar.
L	-	: Low was assured		S		: Search, Servo	the self of
	LCD ⁻	: Liquid Crystal Display	7		SC	: Subcarrier	149.772
	LE	: Loading End			SEAR	ger: Search germanning	44.50
		: Light Emitting Diode			SEL	: Select (management)	
		: Linearity	4.4	J-4	SENS	: Sensor	01 No. 10
		: Limiter		Ne.d	SEP	: Separator	
	The April Sections	4、新文学·新疆、新疆、西亚、西亚、 15-41-411 15-41-411 15-41-411 15-41-411 15-41-411 15-41-411 15-41-411 15-41-411 15-41-411 1	1.0		SF	: Source Follower	
		: Loading	10.7 (15) 1 (4)		SFF	: Short Fast Forward	
		: Long Play			SFWD	: Search Forward	
	LPF	: Lowpass Filter	11-14-51		4.7.5	The Art of the Art Manager of Art and	
	LT	: Loading Tension	23.6.56	-	SI	: Serial In	
N/A	NAAV	: Maximum	, Aug.		SIG	: Signal, 🚁 🖓 👉	
M	MAX				SO	: Serial Out	
		: Motor Drive Amplifier	, Egyp. 10		SOL	: Solenoid	
	MIC	: Microphone			SOS	: Sound on Sound	
	MIN	: Minimum		1.0	SP	: Standard Play	
	MIX	: Mixer and Communication				•	
	MM	: Monostable Multivibrator	1. 652		SR	: Supply Reel	
	MOD	: Modulator	4.572		SREV	: Search Reverse	
	MON	: Monitor			SREW	: Short Rewind	
	MOS	: Metal Oxide Semkonduc	tor		SSG	: Sync Signal Generator	
			(0)		STL	: Still	
	MPX	Multiplexer			SUP	: Supply	
	MS	: Mode Select			SYNC	: Synchronization	
	MUT	; Muting		_	SYSCON	: System control	
Ν	NC	: Noise Cancel		т	TDO	: Time Base Corrector	
	NFB	: Negative Feedback		4	TBC		
	NO	: Normally Open		*:	TC	: Tension Control, Time C	ode
_					TDG	: Time Date Generator	
О	OPAMP	: Operational Amplifier			T. EALM	: Tape End Alarm	
	OP	: Operation			TEN	: Tension	
	ORN	: Orange			TIM	: Timing	
	OSC	; Oscillator			TK	: Tracking	
Р	PB	: Playback	····	-	TL	: Time Lapse	
r						: Timer-Record	
	PC	: Photocoupler			TREC	•	
	PCM	: Pulse Code Modulation			TSW	: Time Switch	
	PGM	; Program			TU	. Take-up	
	PG ·	: Pulse Generator			TUR	: Take-up Reel	
	PI	: Photo Interrupter		U	UNLD	: Unloading	
	PLL	: Phase Locked Loop			UNREG	: Unregulated	
	POS	: Position			UNSW	: Unswitched	
	PR	: Pinch Roller				Mar Marchael	
		: Preview		V	V	: Video, Vertical	
	PREV	: Preroll			VCO	: Voltage Controlled Oscilla	itor
	PRL				VD	: Vertical Drive	
	PU	: Pickup	100		VXO	: Variable Crystal Oscillator	í .
	PWB	: Printed Wiring Board		_	VLT	: Violet	
Q	Q	: Quality Factor			VSCH	: Variable Search	
				- 18/			
R	RA	: Resistor Array		VV	WHT	: White	
		: Random Access		r	WV	: Working Voltage	
	RAM	: Random Access Memory			WARN	: Warning	
	REC	: Recording		X	XTL	: Crystal	4
	REG	: Regulated	* .	^	VIL.	. Grystai	
	REV	: Reverse		Y	Υ	: Luminance	
	A December 1	: Rewind			YLW	: Yellow	
7.	REW					the state of the s	
	RF	Radio Frequency					
	RST	: Reset	14.5 44				
	R/P	: Record/Playback					
	RPT	: Repeat					e de la companya de l
	RT	: Rotary Transformer					A Fig.
	RY	: Relay					
				-			





No.	PWB Name	Block diagram page	Schematic diagram page	Circuit board page	Parts list page
0 1	AUDIO	4-4	4-14	4-15	6 - 6
02	FM AUDIO	4-5	4-15	4-17	6-11
03	REAR (1)		4-47	4-45	6-16
02 03 04	SW		4-47	4-44	6-16
05	VR (1)	- 5	4-48	4-44	6-16
06	FULL ERASE HEAD		4-47	4-15	6-16
07	REGULATOR	e jaar oo aas t taalaa aa	4-18	4-19	6-17
n a	SYSCON	4-6	4-20	4-21	6-18
00	PRE/REC	4-7	4-22	4-23	6-22
08 09 10	COLOR	4-8	4-24	4-25	6-26
111	JUNCTION	_	4-28	4-29	6-31
12	YAMP	4-9	4-26	4-27	6-32
13	END SENSOR	_	4-46	4-43	6-37
14	OPERATION	_	4-28	4-29	6-38
15	LED	_	4-46	4-43	6-38
16	COUNTER		4-30	4-31	6-39
18	CASSETTE HOUSING	_	4-46	4-43	6-40
19	V & FMA HEAD	_	4-30	4-31	6-40
18 19 20	REEL SERVO	4-10	4-32	4-33	6-40

2 9

2|8 TU. reel FG. board assembly

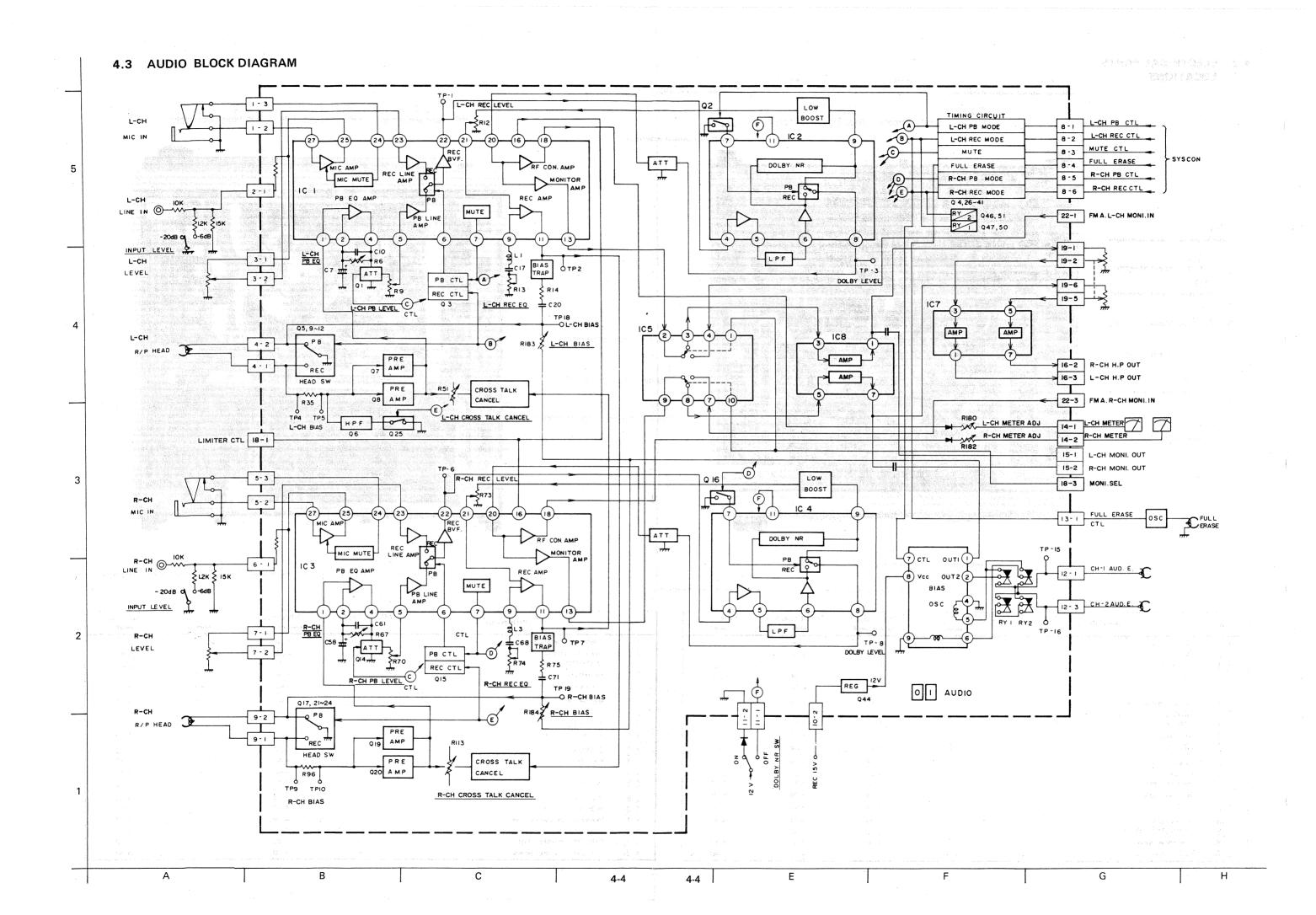
SUP reel FG board assembly

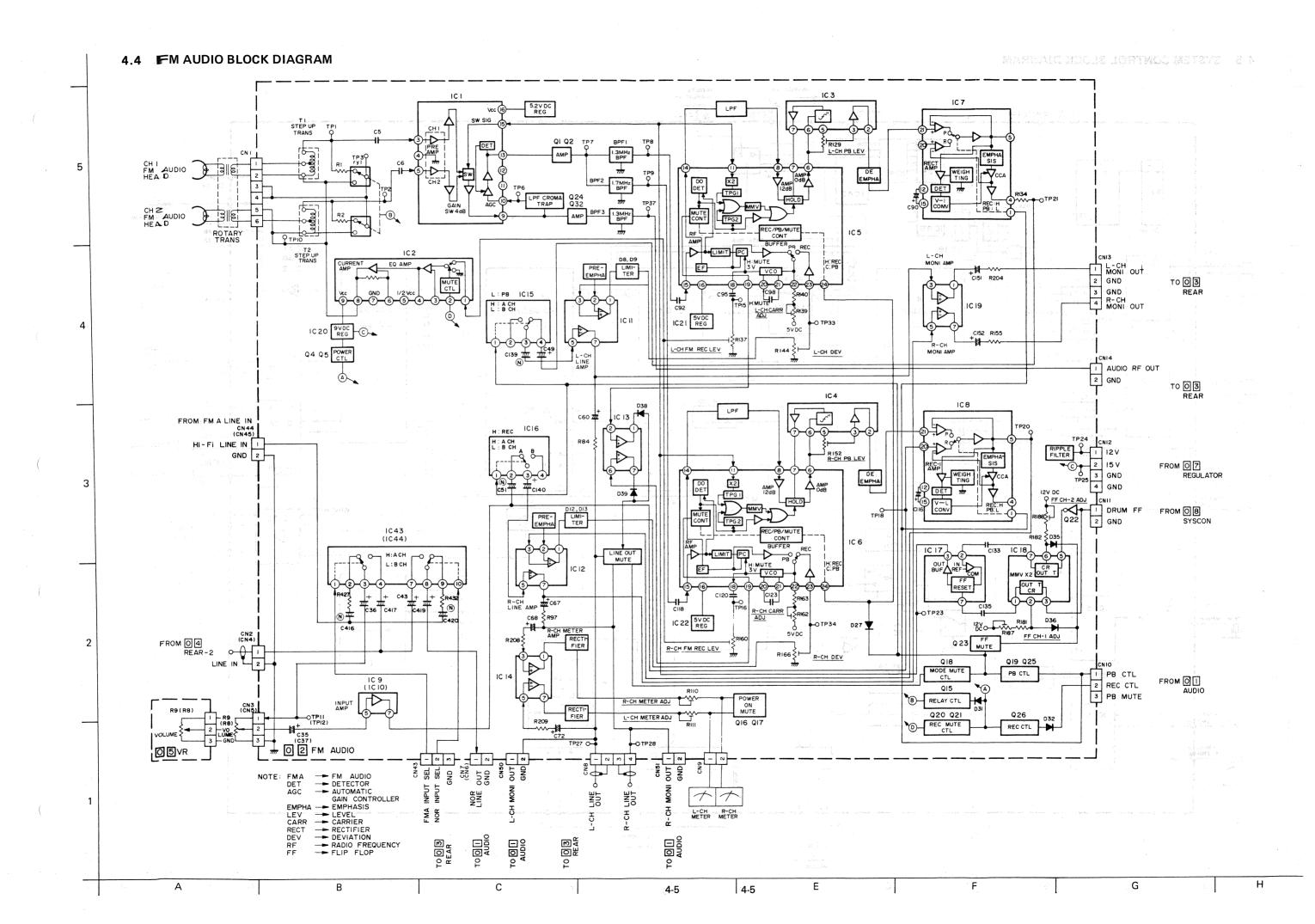
40 Hour meter board assembly

No.	PWB Name	Block diagram page	Schematic diagram page	Circuit board page	Parts list page
21 22 23 24 25	CAPSTAN SERVO DRUM SERVO MOTHER SEARCH VR FRONT LED	4-11 4-12 —	4-34 4-36 4-46 4-46 4-47	4-35 4-37 4-41 4-42 4-42	6-44 6-47 6-51 6-51 6-51
26 28 29 30	REAR (2) TU. REEL FG. SUP REEL FG. JACK		4-47 4-46 4-46 4-47	4-45 - - 4-42	6-51 6-51 6-51 6-52
3 2 3 3 3 4 3 5	DISPLAY VR (2) VR (3) A/C HEAD		4-30 4-48 4-48 4-47	4-31 4-44 4-44 4-15	6-52 6-52 6-52 6-52
38 40 41 42 46 63	PICH-UP DET. HOUR METER POWER TRANSISTOR AUDIO SUB COLOR FRAME SUB COLOR FRAME SERVO	- - - - 4-12	4-46 4-47 4-18 4-40 4-38 4-38	4-43 4-43 - 4-40 4-38 4-39	6-52 6-52 6-52 6-53 6-53 6-53

Syscon board assembly Mother board assembly Line filter board assembly

Counter board assembly

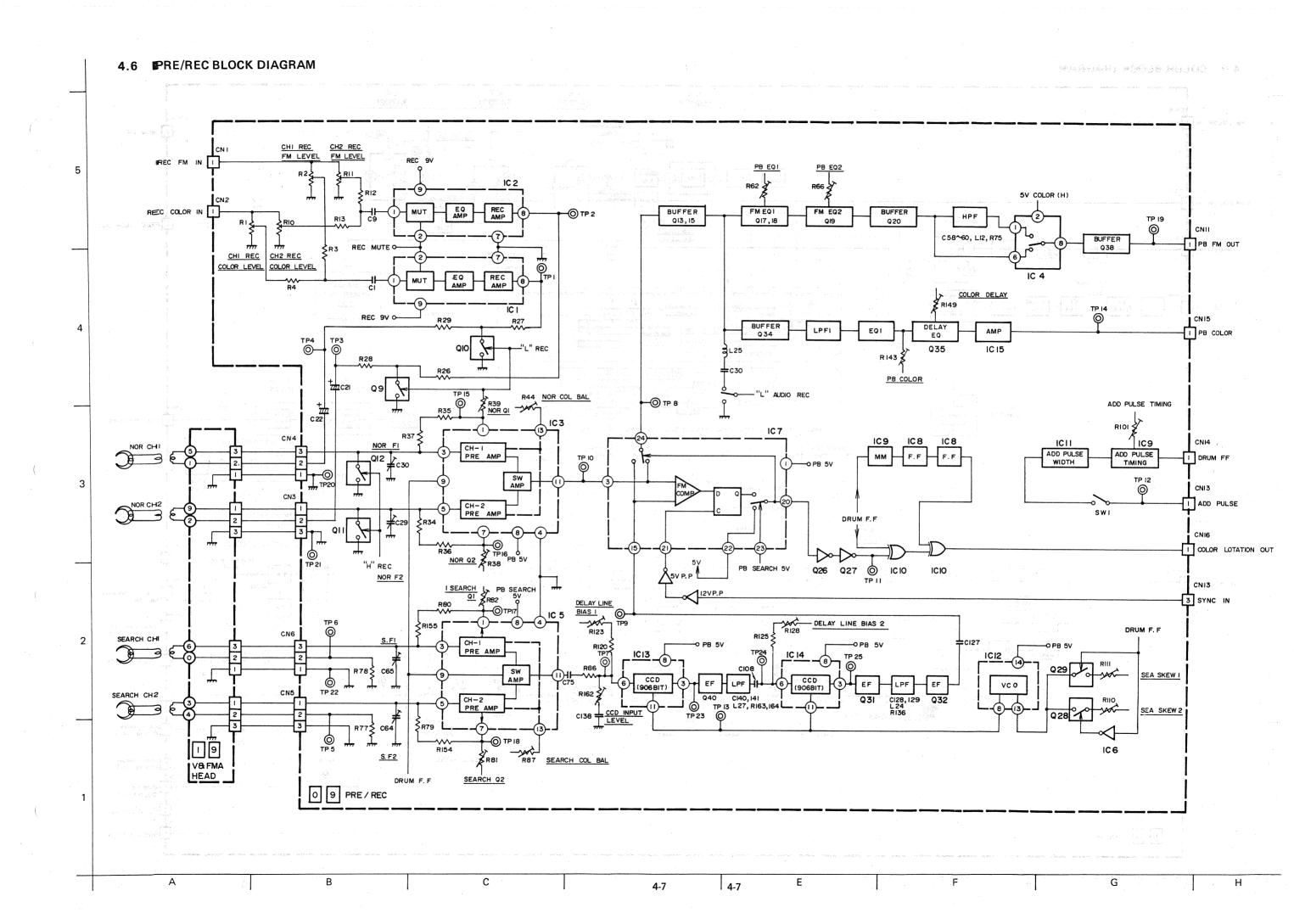




4-6

G

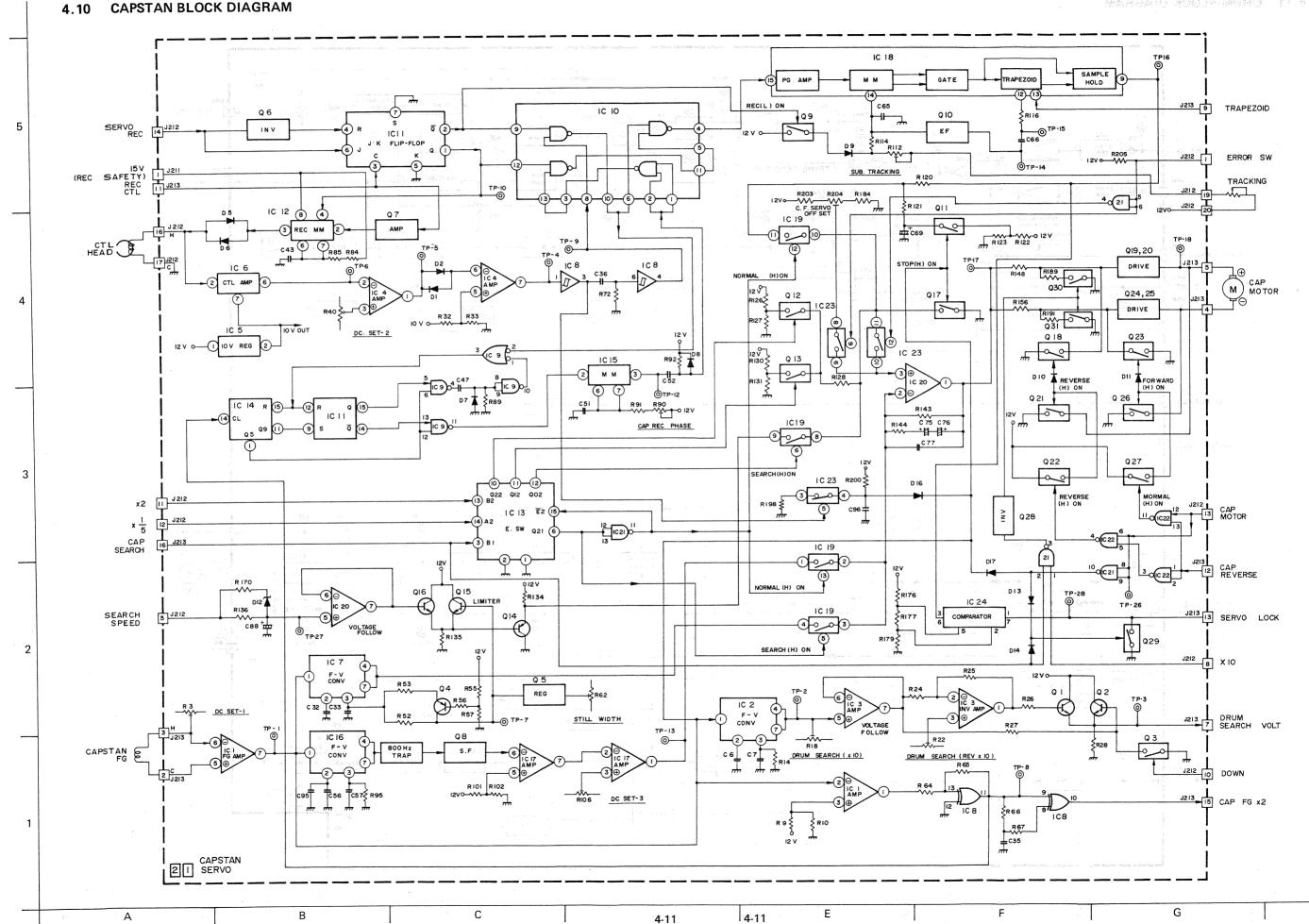
С

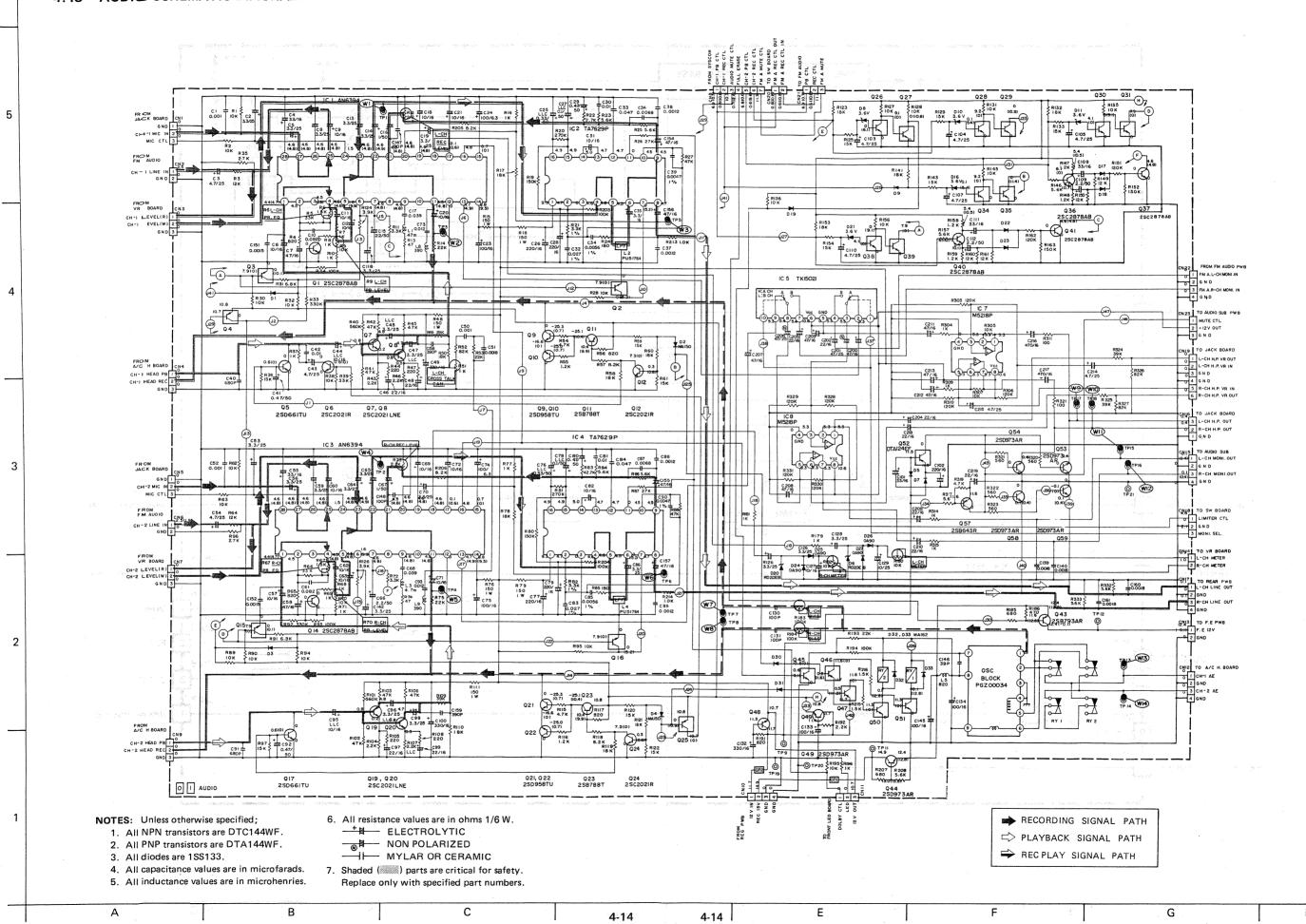


4-9

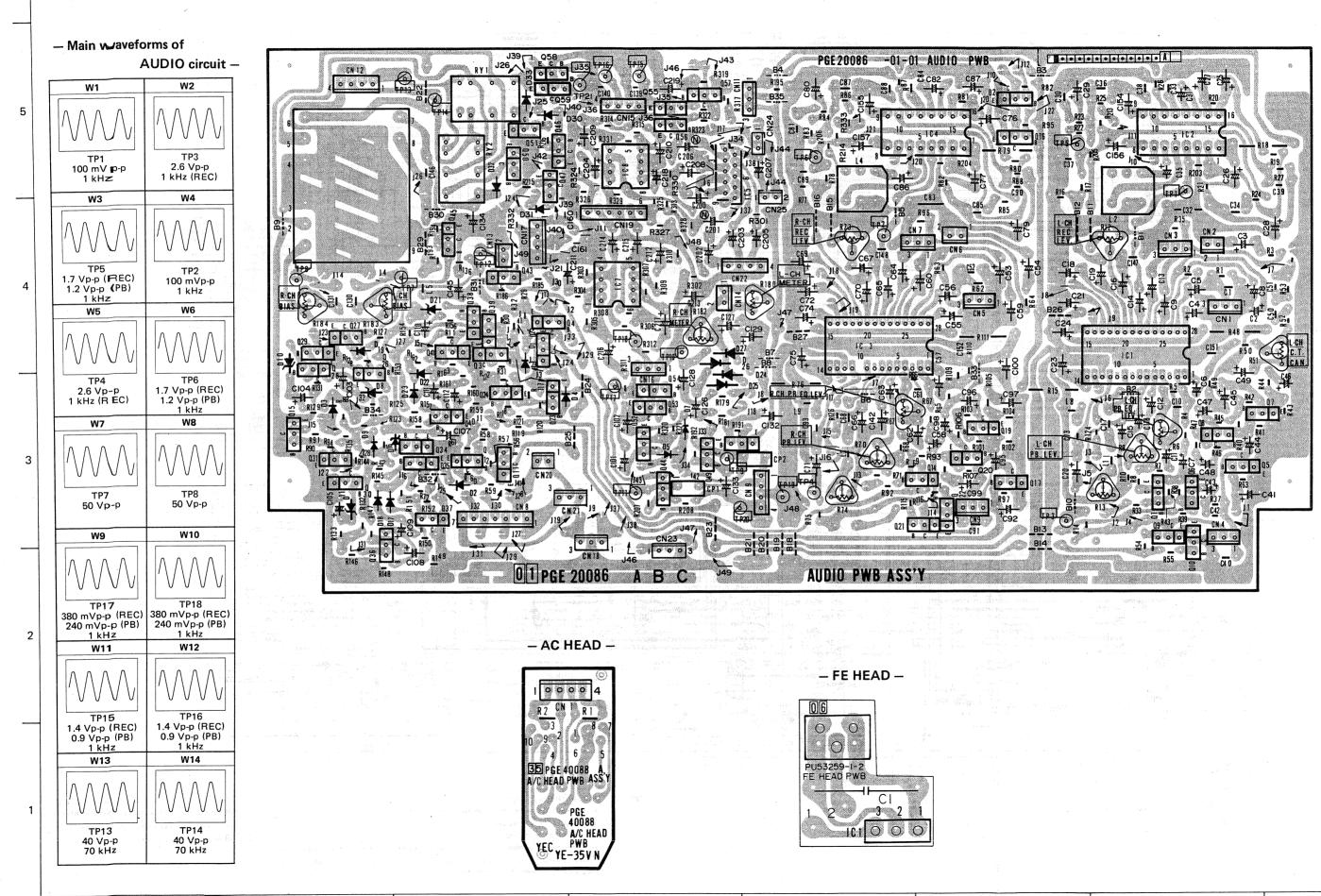
Α

4-10



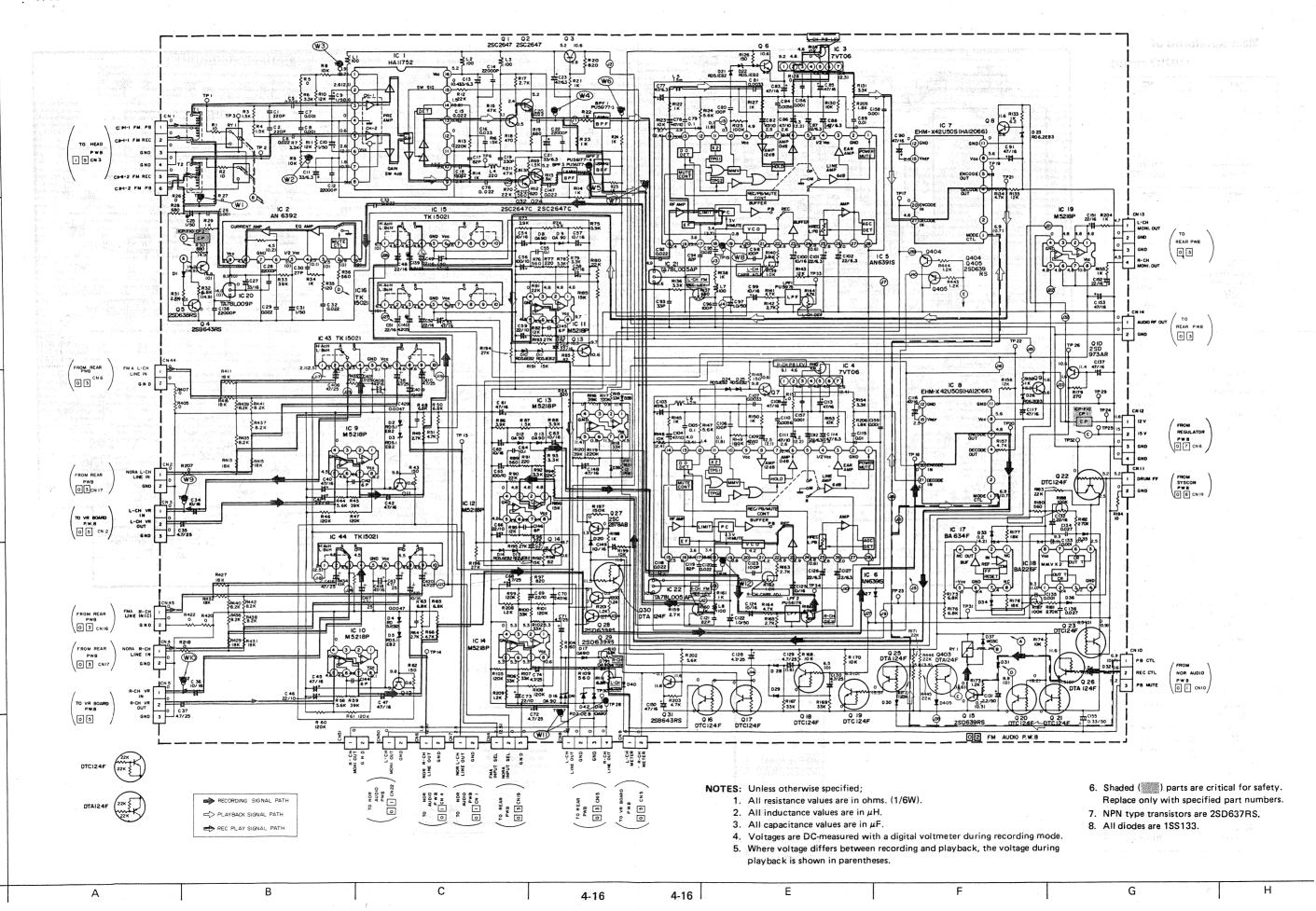


4.14 AUDIO, AC HEAD, FE HEAD & AUDIO SUB CIRCUIT BOARDS

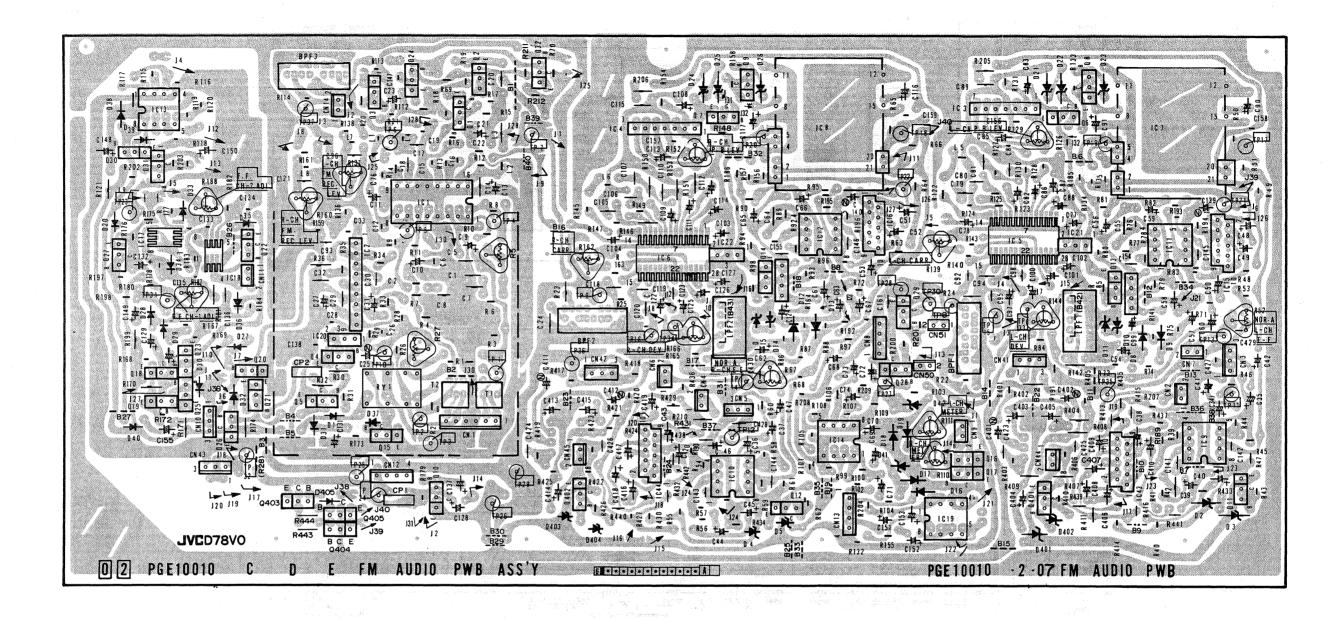


4-15

4-15



4.16 FM AUDIO CIRCUIT BOARD



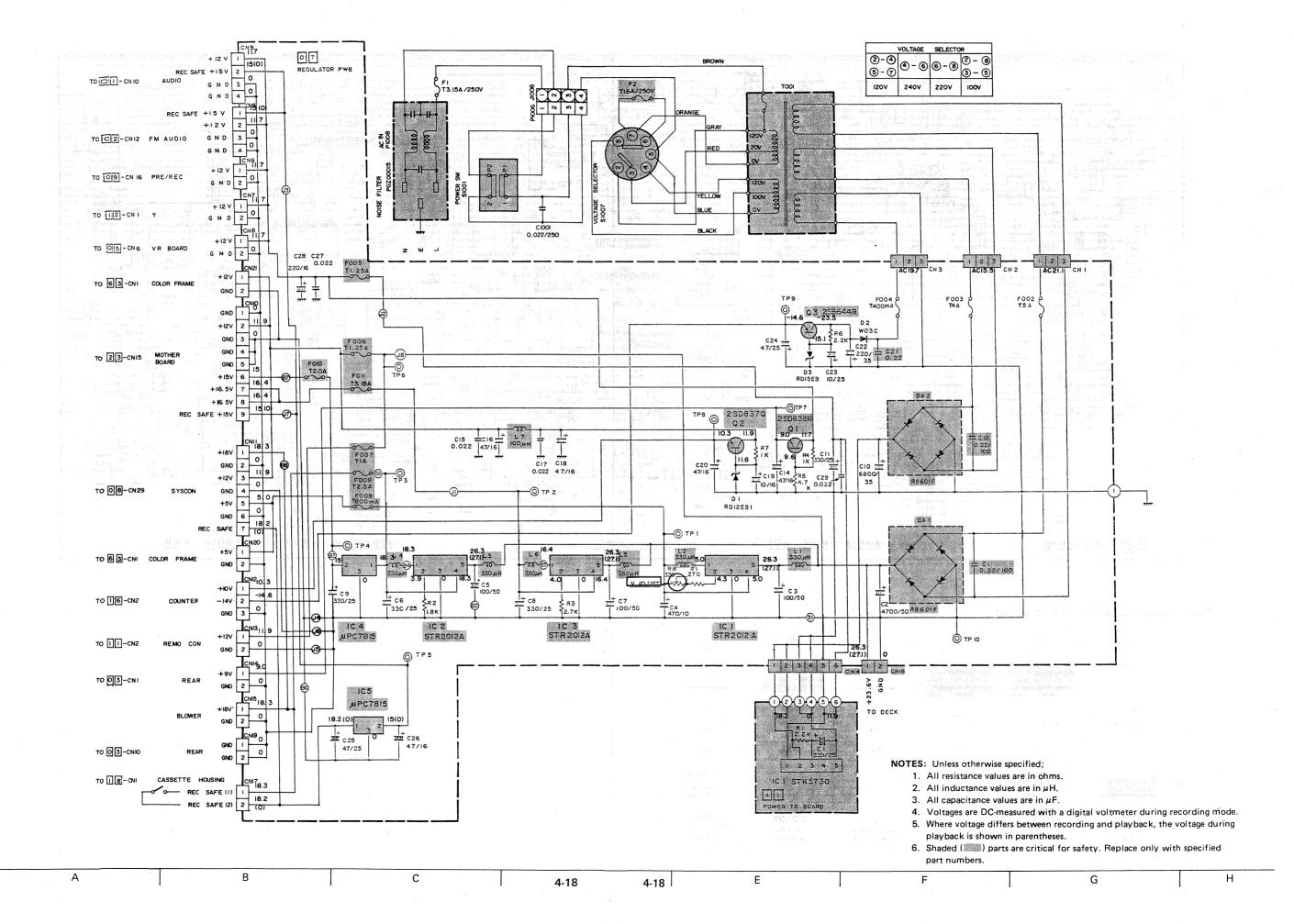
- Main waveforms of FM AUDIO circuit -

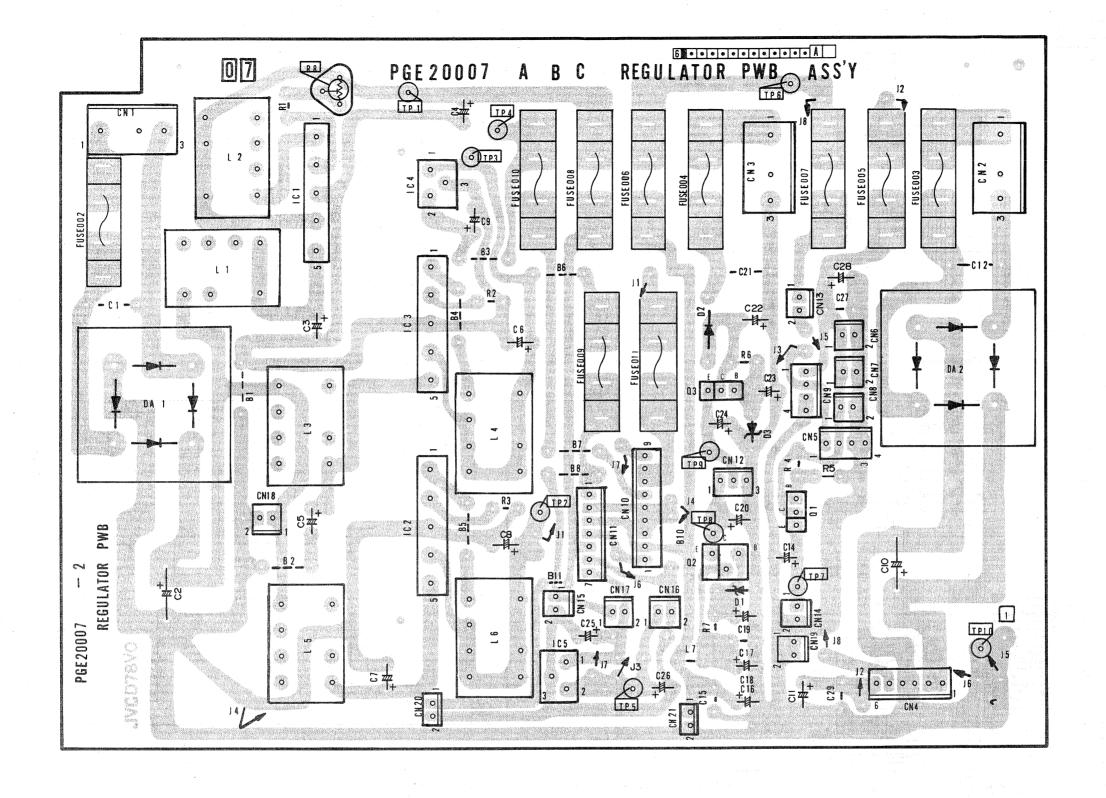
W1	W2	W3	W4	W5	W6
TP10 4.8 Vp-p (REC)	TP5 28 mVp-p (PB)	TP4 28 mVp-p (PB)	TP7 1 Vp-p (PB)	TP37 170 mVp-p (PB)	TP8 240 mVp-p (PB)
W7	W8	W9	W10	W11	W12
TP9 240 mVp-p (PB)	TP15 360 mVp-p (REC)	TP11 380 mVp-p 1 kHz (REC)	TP12 380 mVp-p 1 kHz (REC)	TP27/28 1.4 Vp-p 1 k (REC)	TP16 360 mVp-p (REC)

B C 4-17 E F G

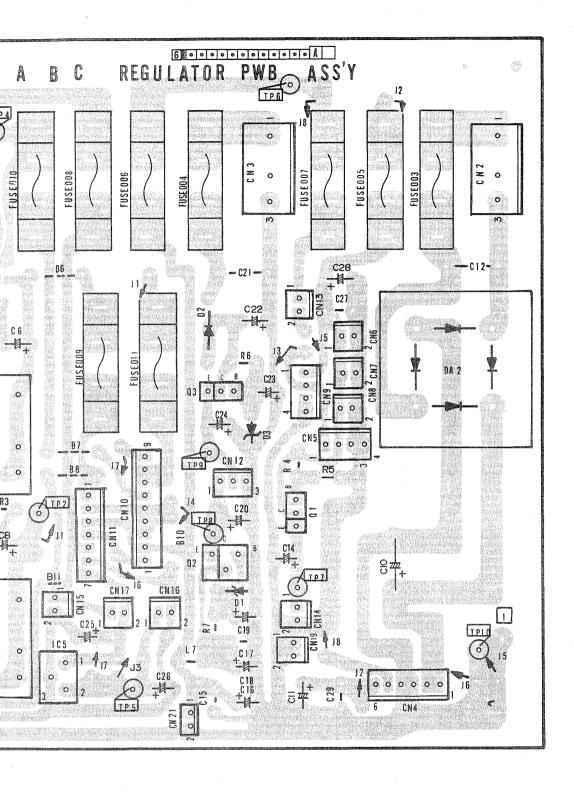
4.17 REGULATOR SCHEMATIC DIAGRAM

5

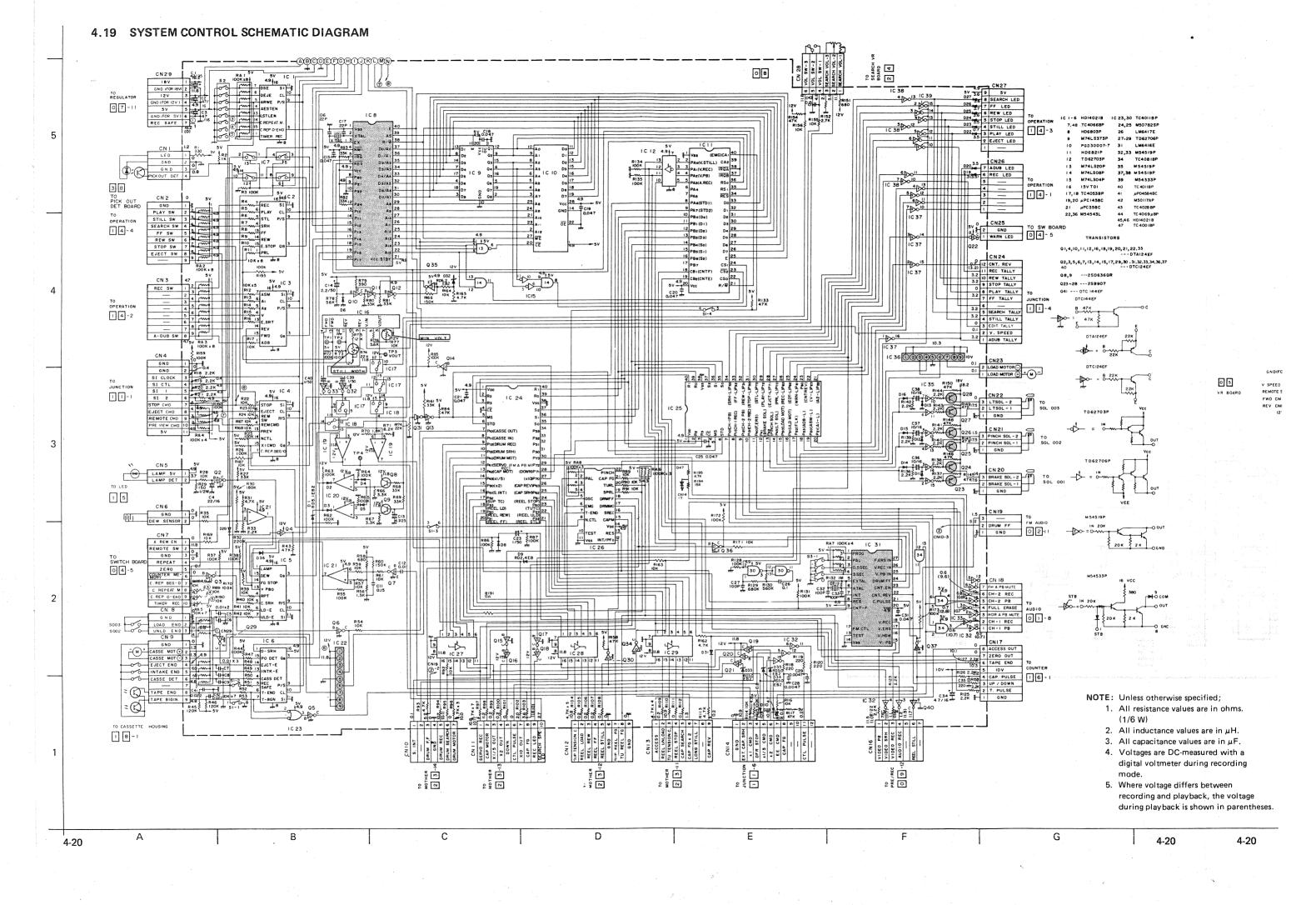


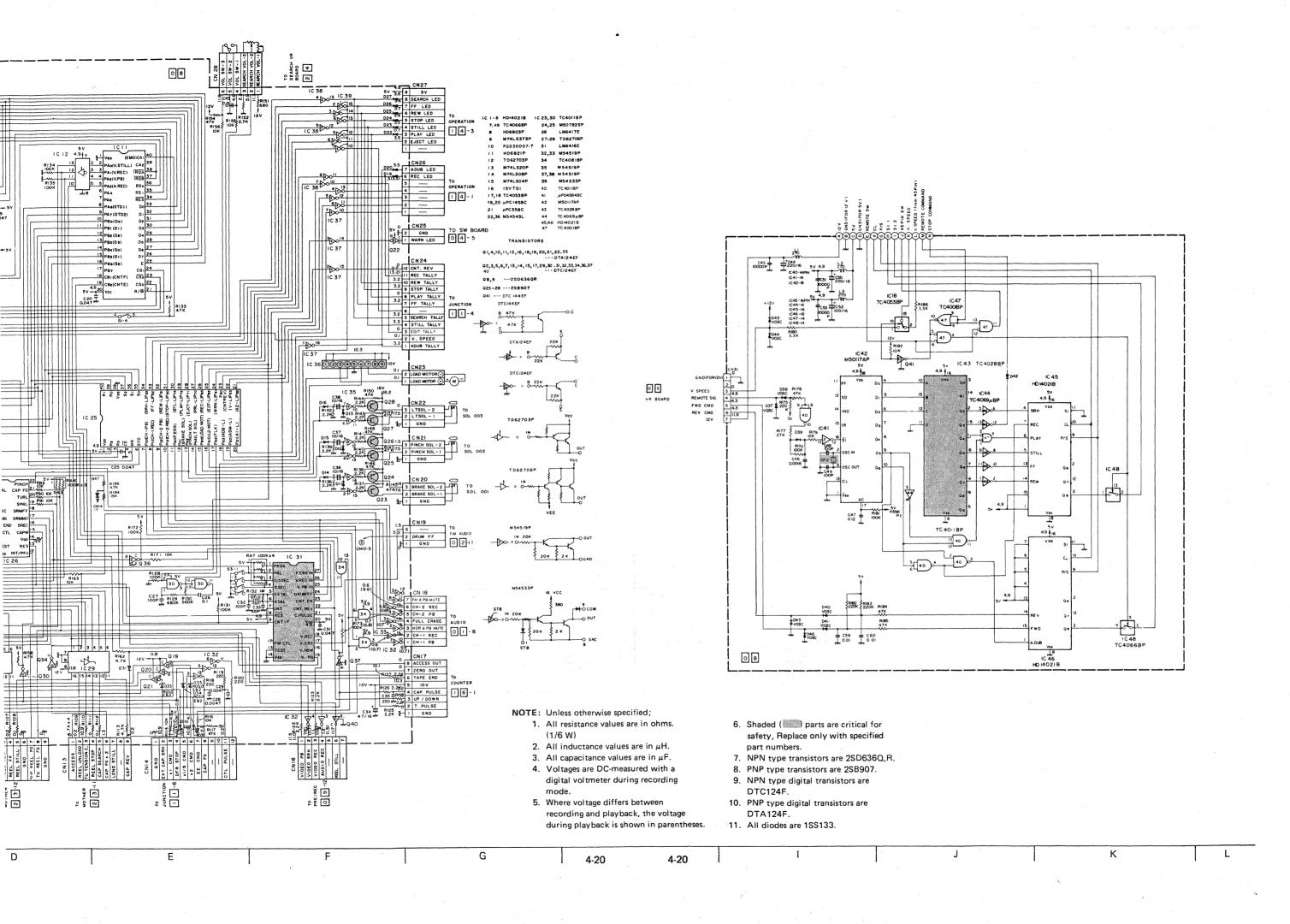


4-19 4-19



4-19 E F G H I J K 4-19





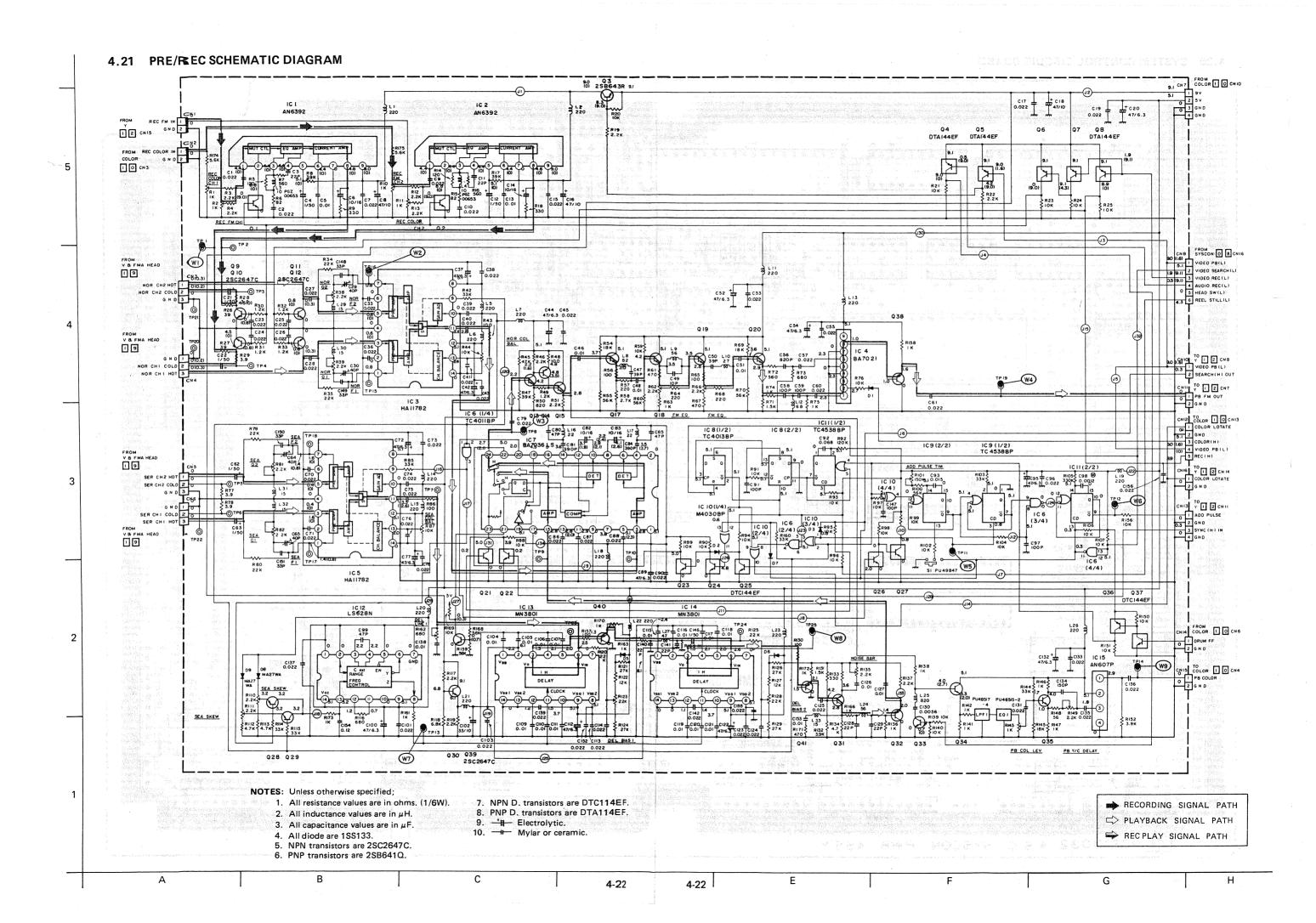
4-21

С

В

Α

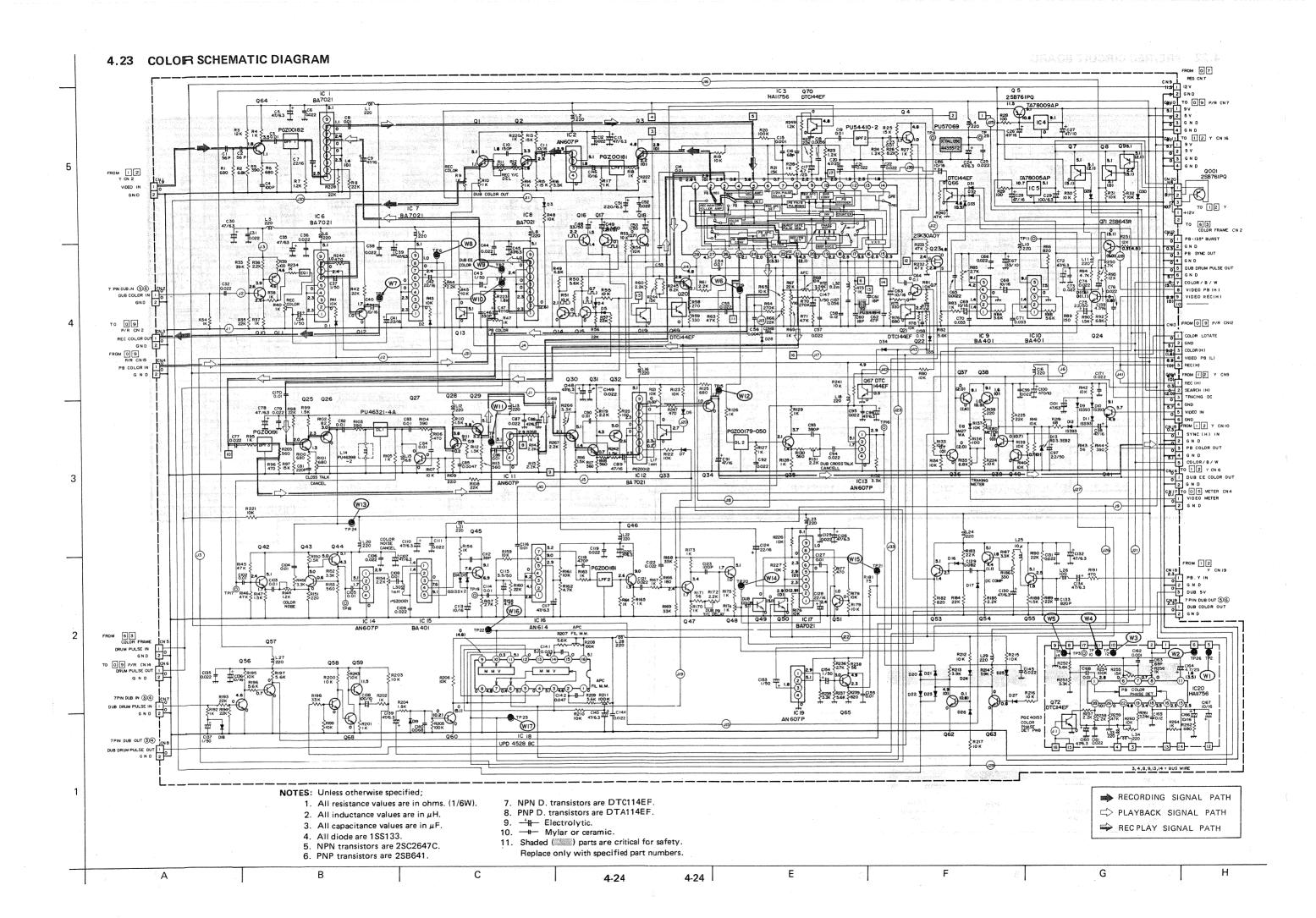
5

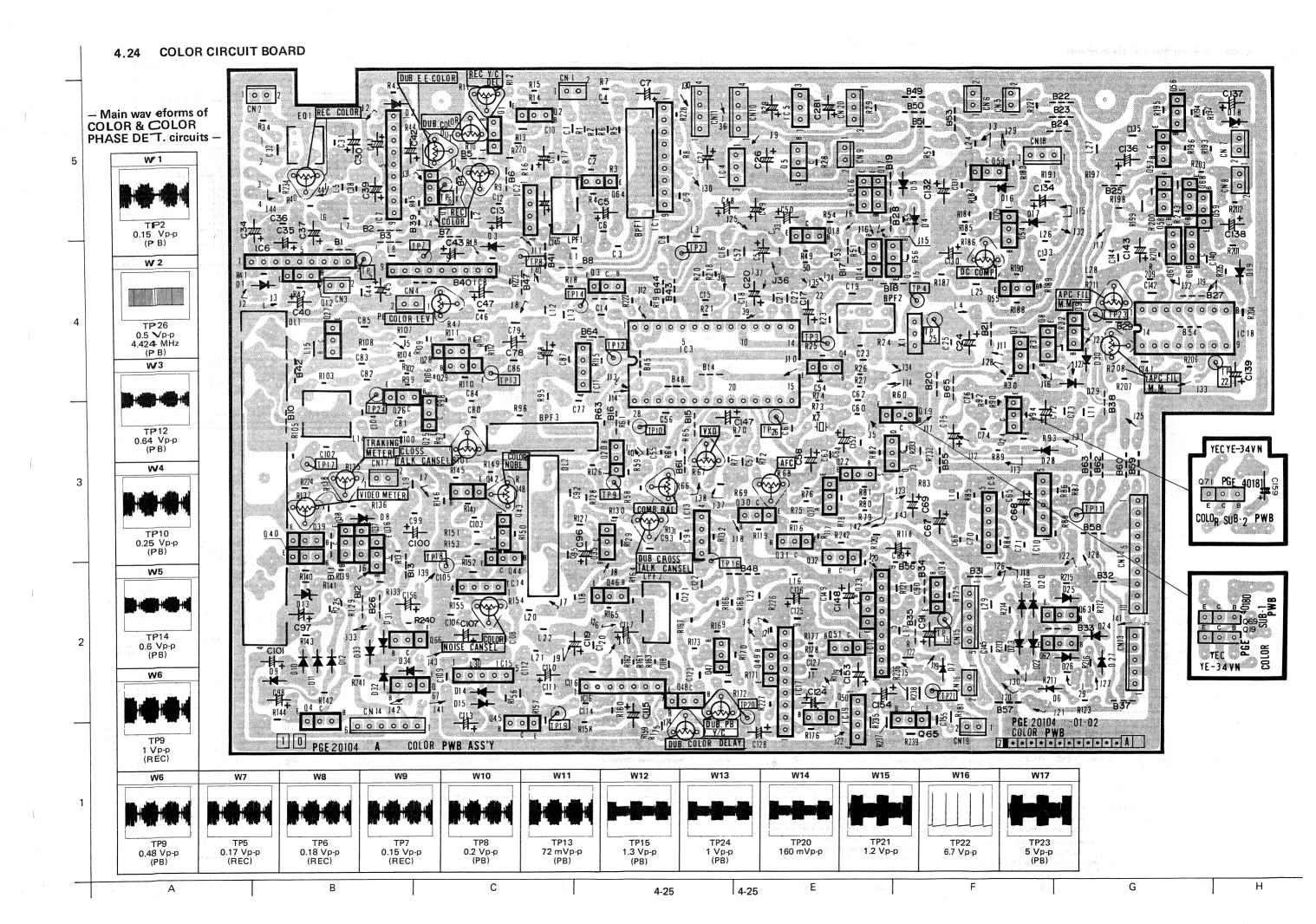


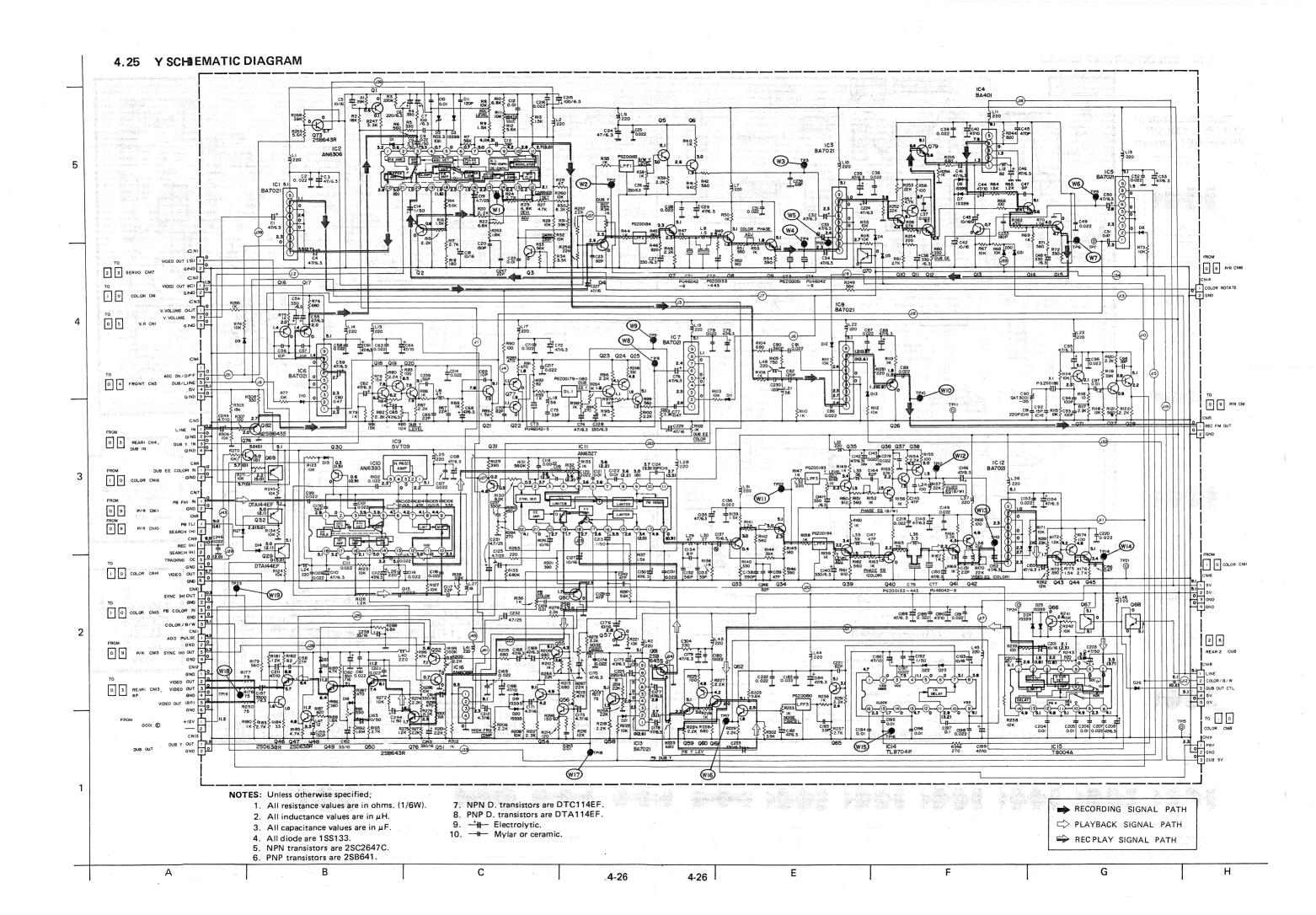
- Main waveforms of PRE/REC circuit -

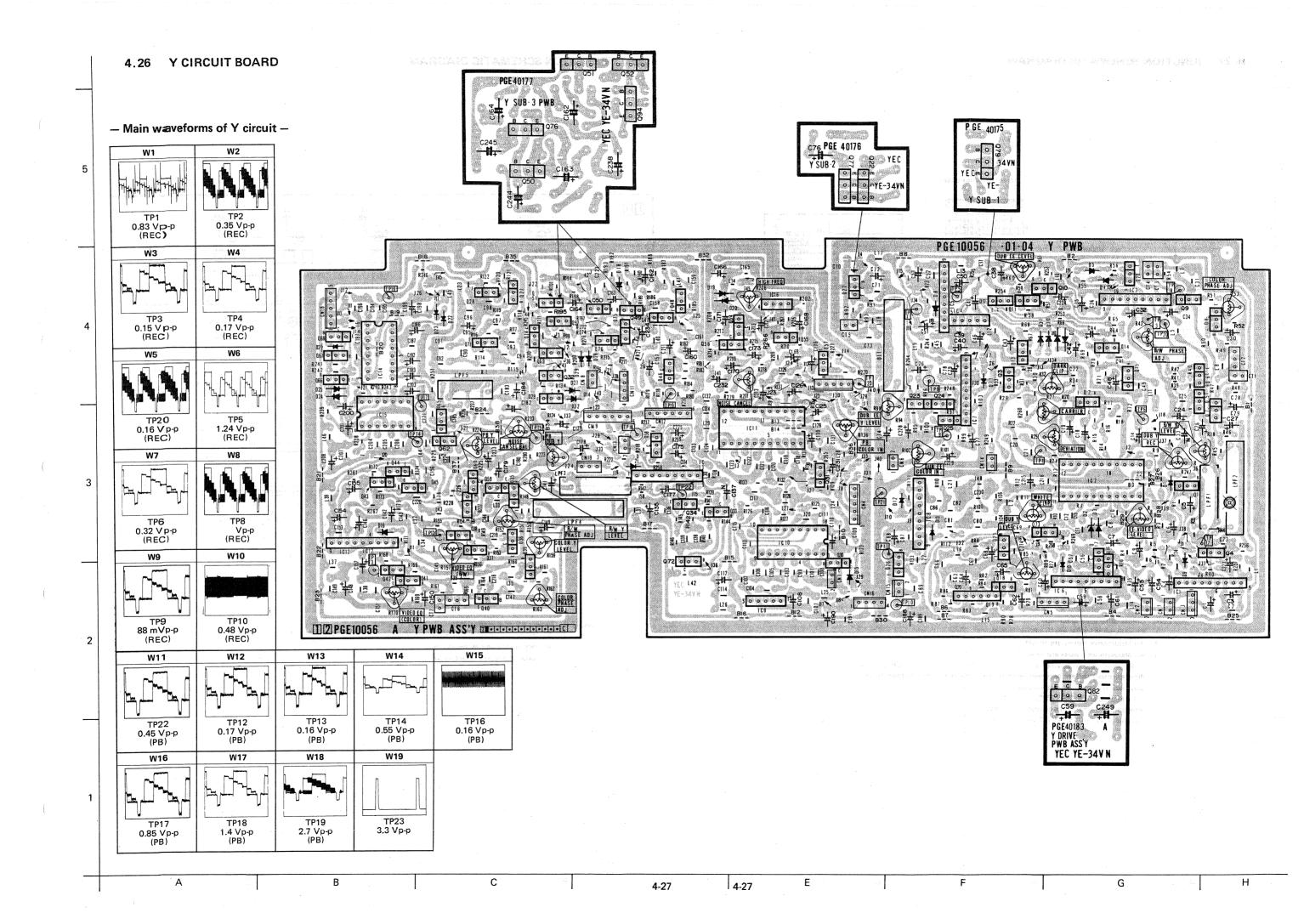
W1	W2	W3	W4	W5
TP1 3.0 Vp-p (REC)	TP16 0.8 Vp-p (REC)	TP8 0.35 Vp-p (PB)	TP19 180 mVp-p (PB)	TP11 50 mVp-p (PB)
W6	W7	W8	W9	
TP12 18 mVp-p (PB)	TP13 6 mVp-p (PB)	TP25 50 mVp-p (PB)	TP14 0.4 Vp-p (PB)	

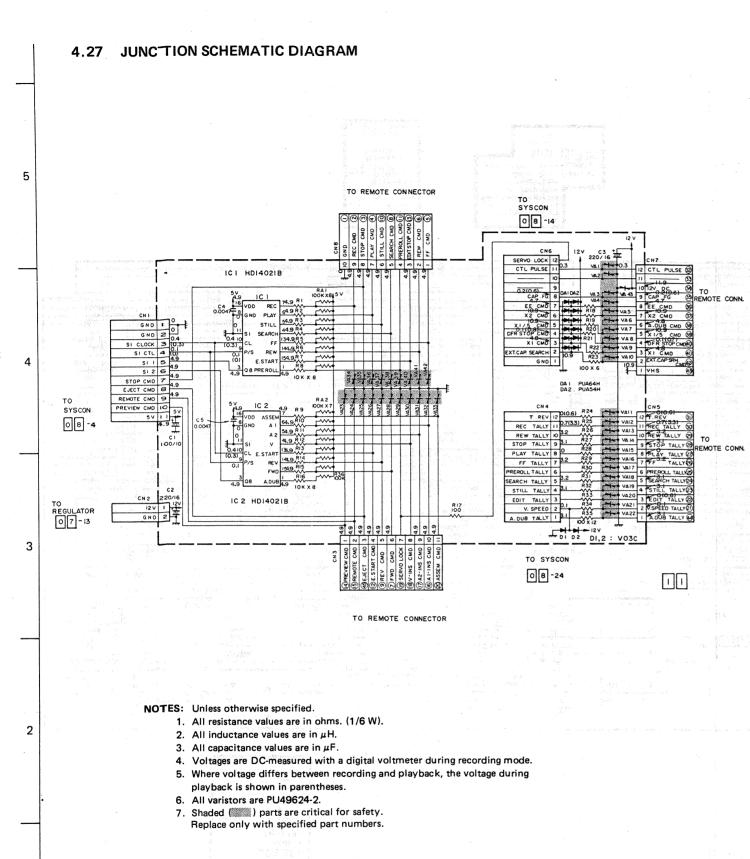
B C 4-23 E F G











> S 8 SEARCH

S 9 (FF)

NOTES: Unless otherwise specified.

- 0 m 4 m m r

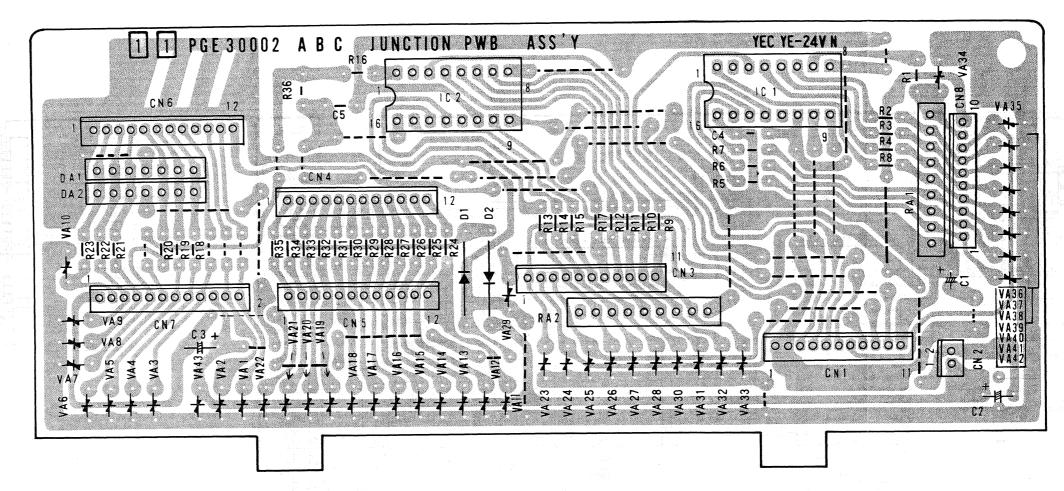
4-28

4-28

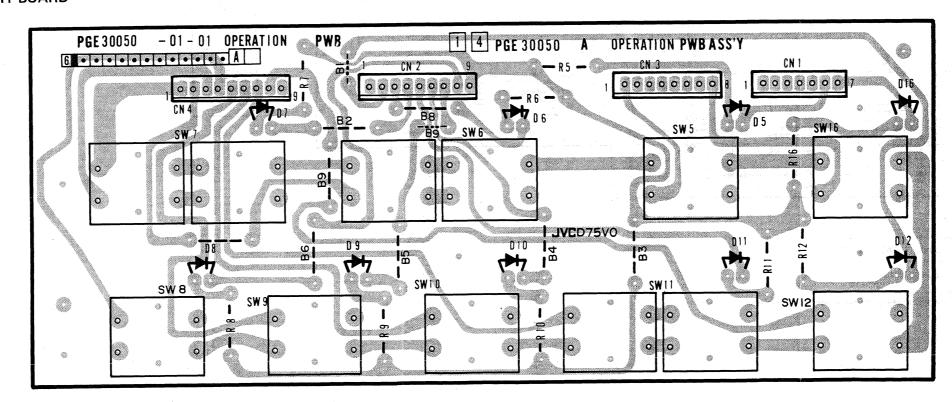
4.28 OPERATION SCHEMATIC DIAGRAM

- 1. All resistance values are in ohms. (1/8 W).
- All inductance values are in μH.
- 3. All capacitance values are in μF.

4.29 JUNCTION CIRCUIT BOARD



4.30 OPERATION CIRCUIT BOARD



B C 4-29 E F G H

Ε

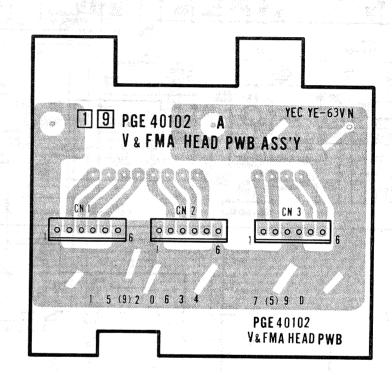
4-30

4-30

В

С

| 1 | Chi | 2 |



1

:

C

)

4-31

4-31

.

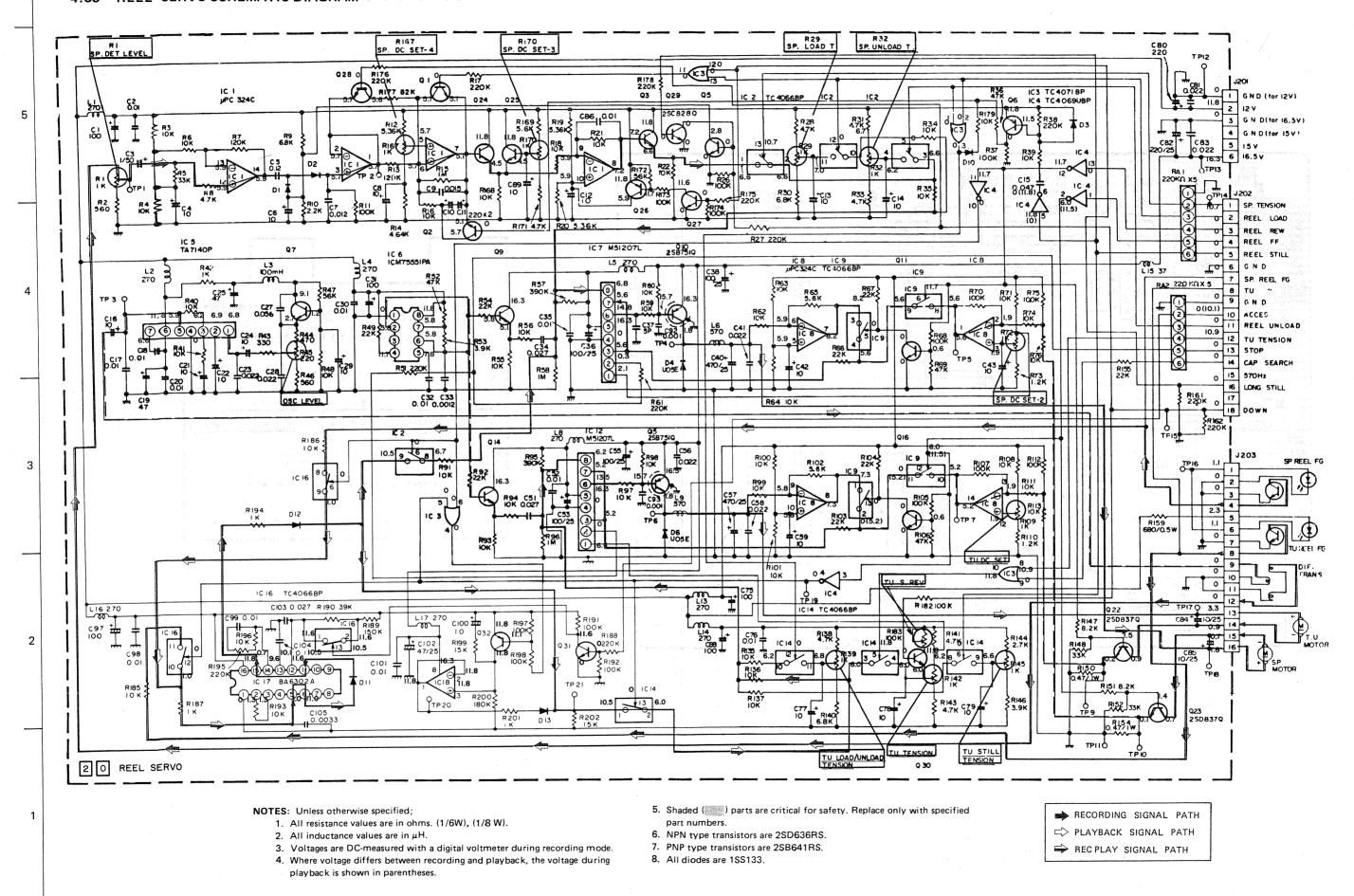
. . . .

=

G

LI

4.35 REEL SERVO SCHEMATIC DIAGRAM



4-32

4-32

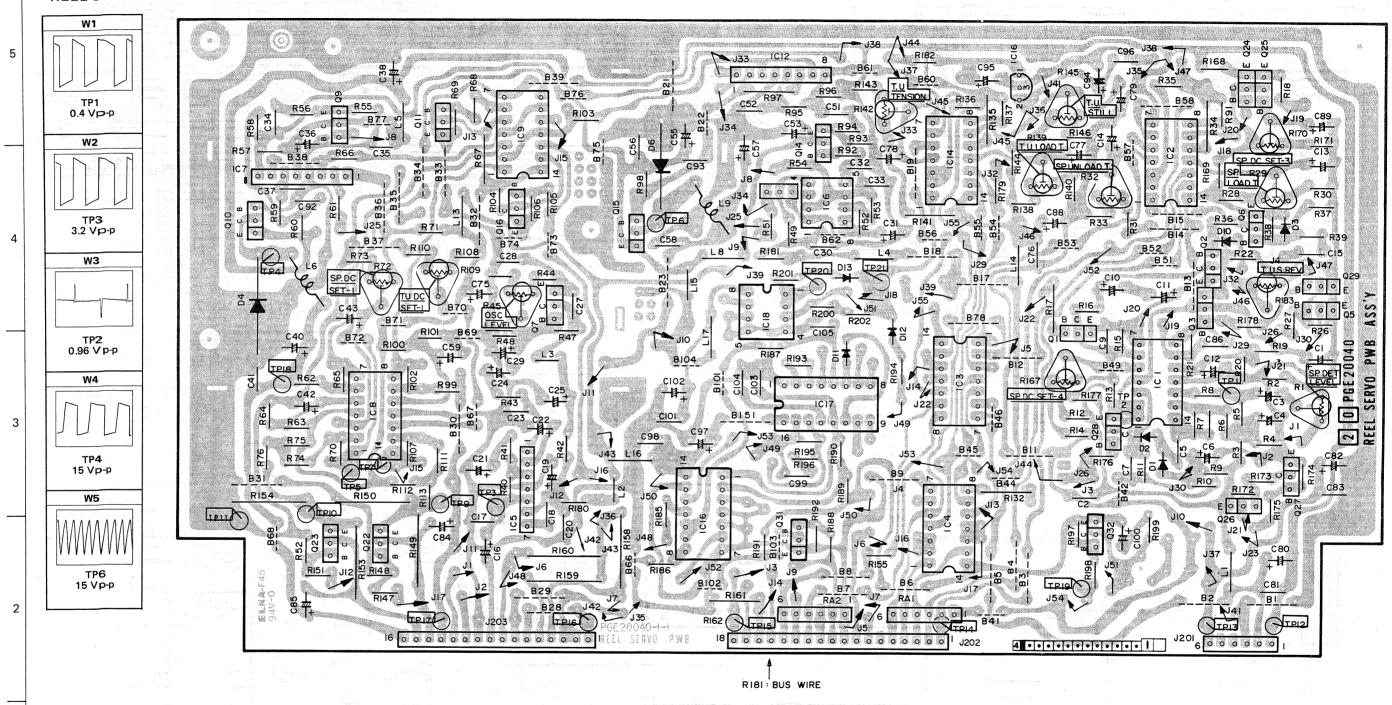
Ε

G

C

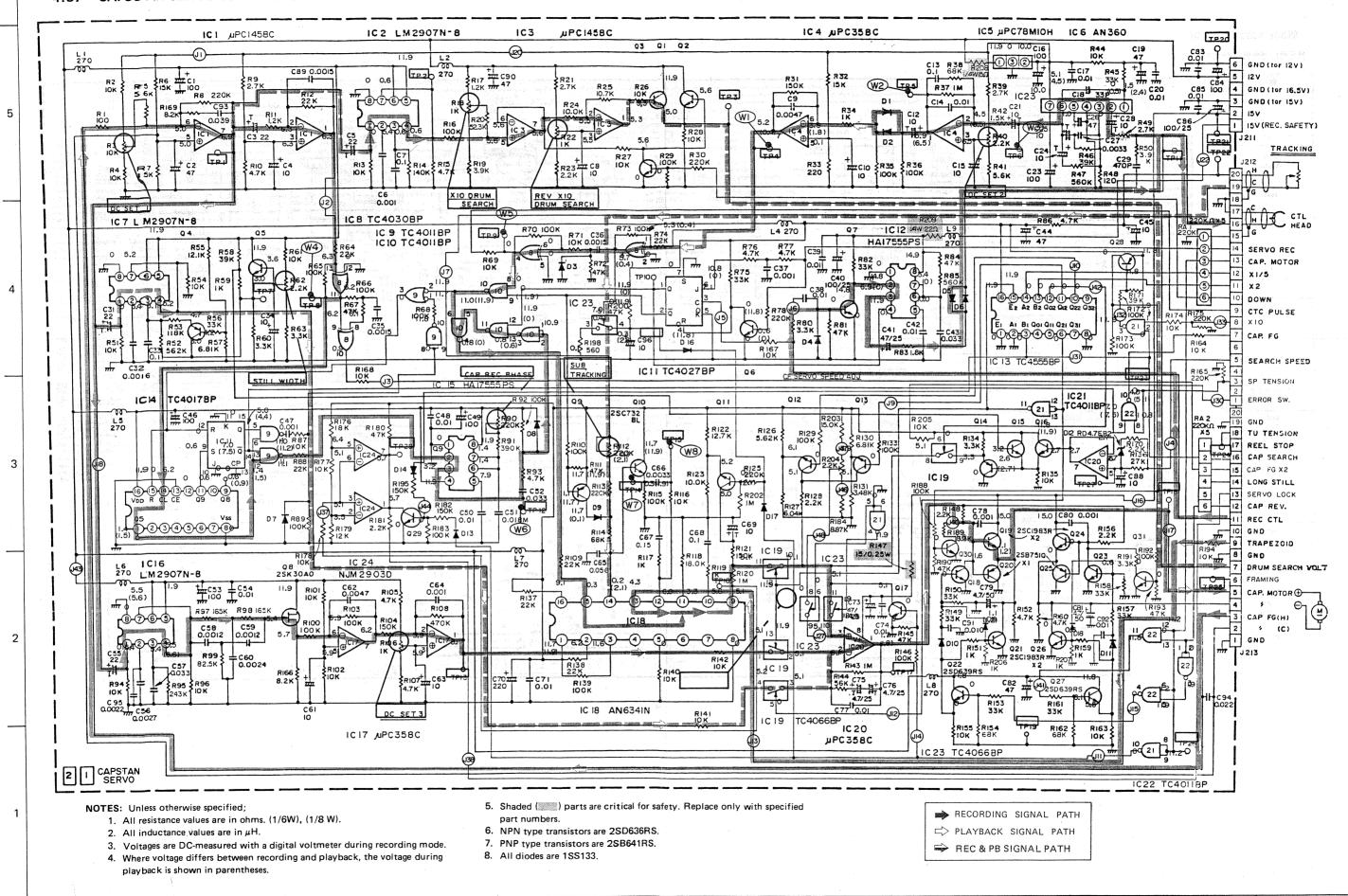
4.36 REEL SERVO CIRCUIT BOARD

Main waveforms ofREEL S ERVO circuit —



A B C 4-33 4-33 E F G H

4.37 CAPSTAN SERVO SCHEMATIC DIAGRAM

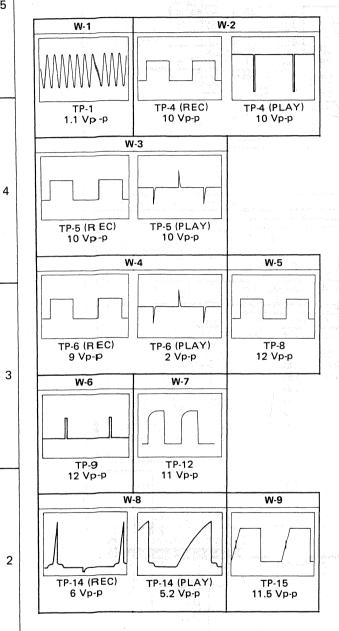


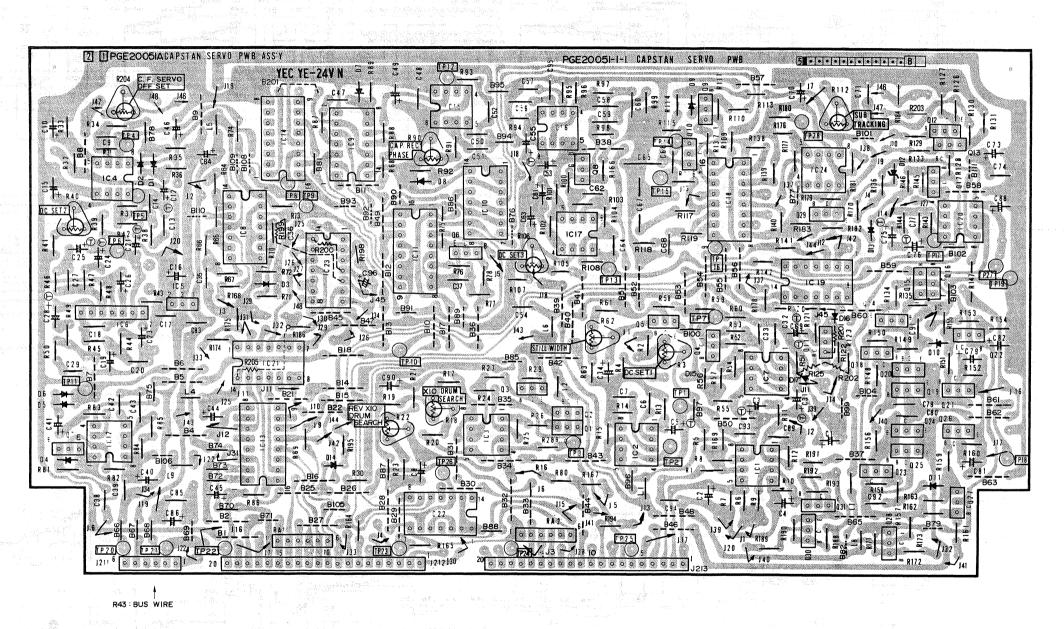
4-34

4.38 CAPSTAN SERVO CIRCUIT BOARD

- Main waveforms of

CAPSTAN SERVO circuit —





4

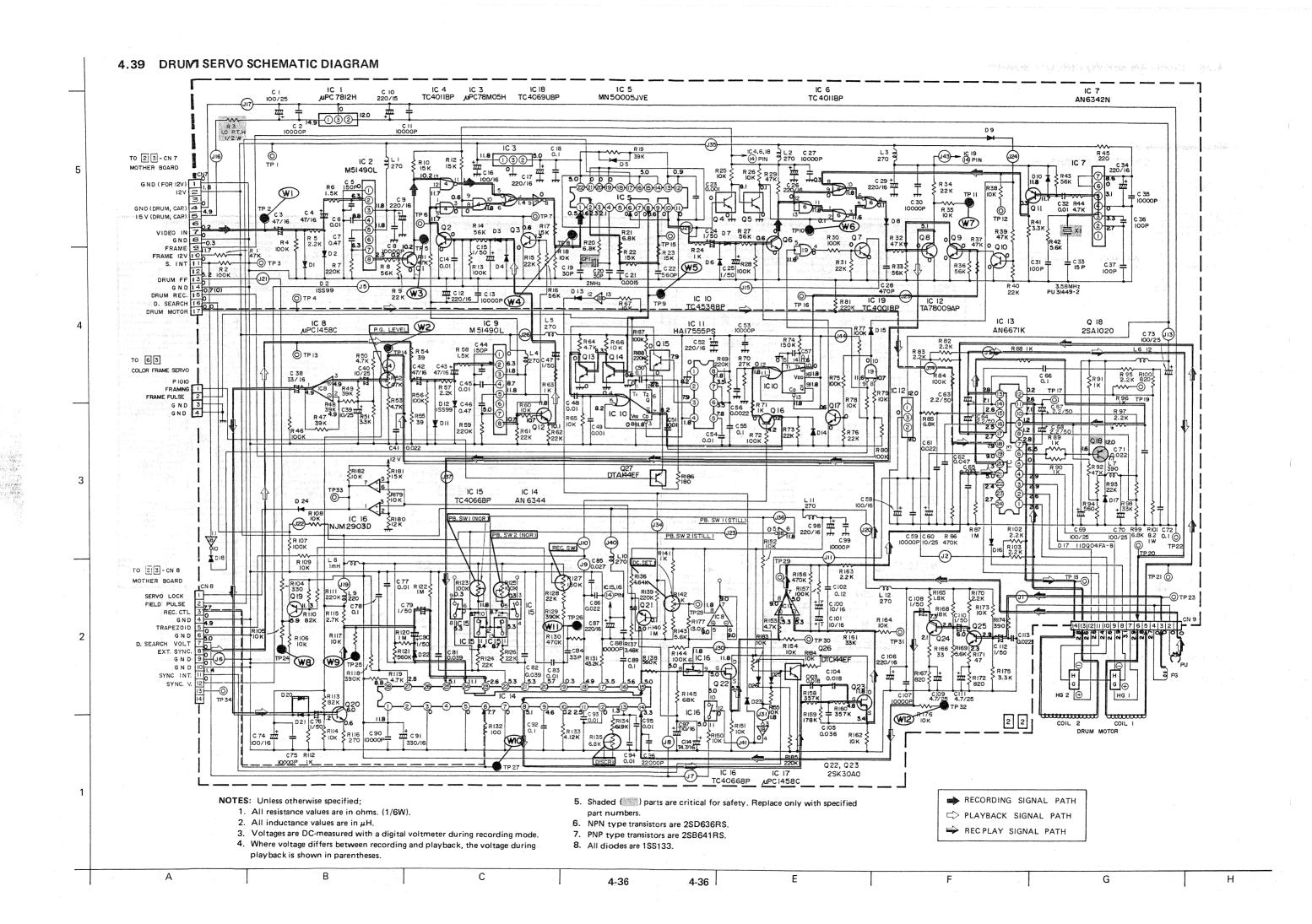
4-35

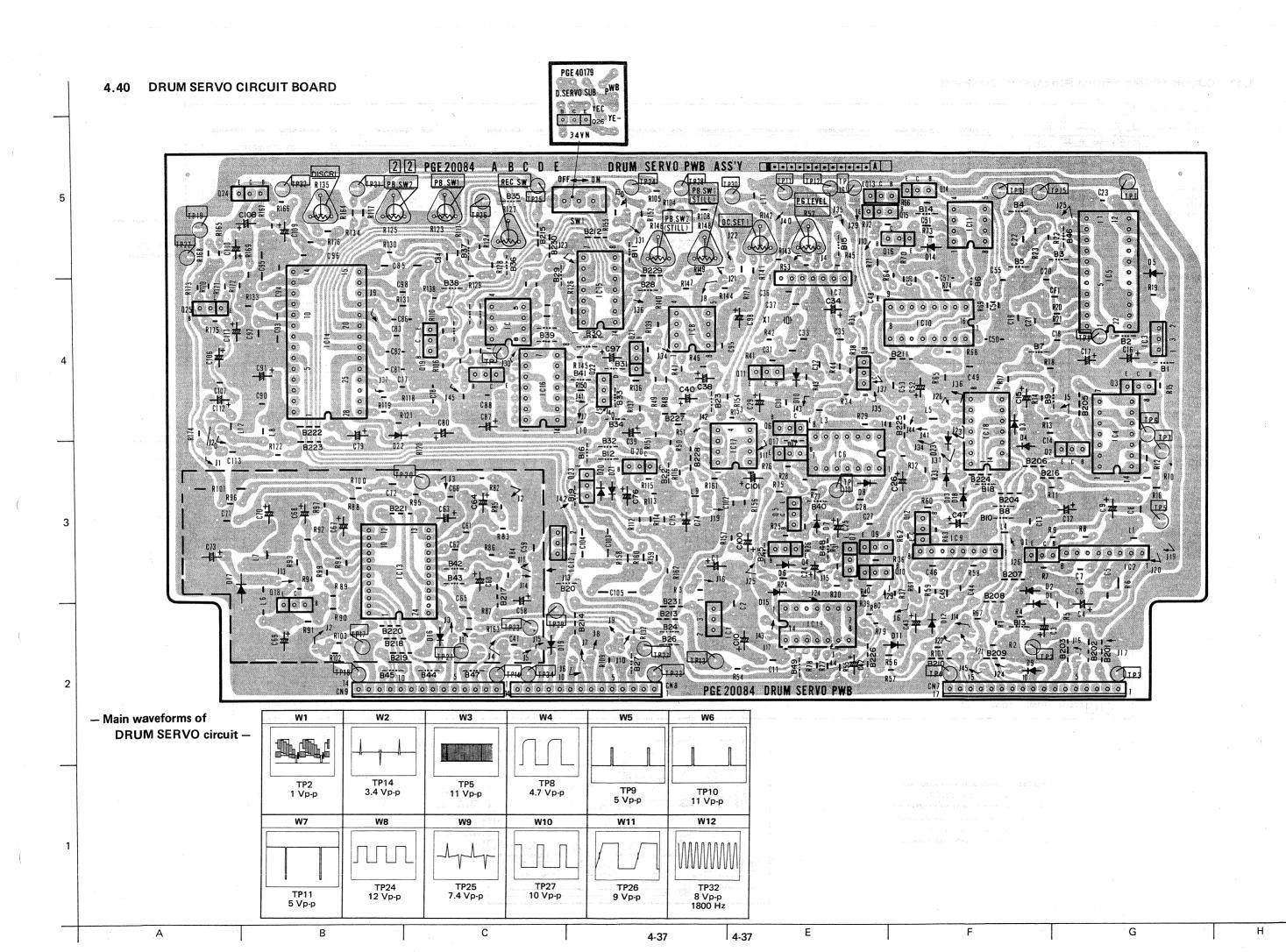
=

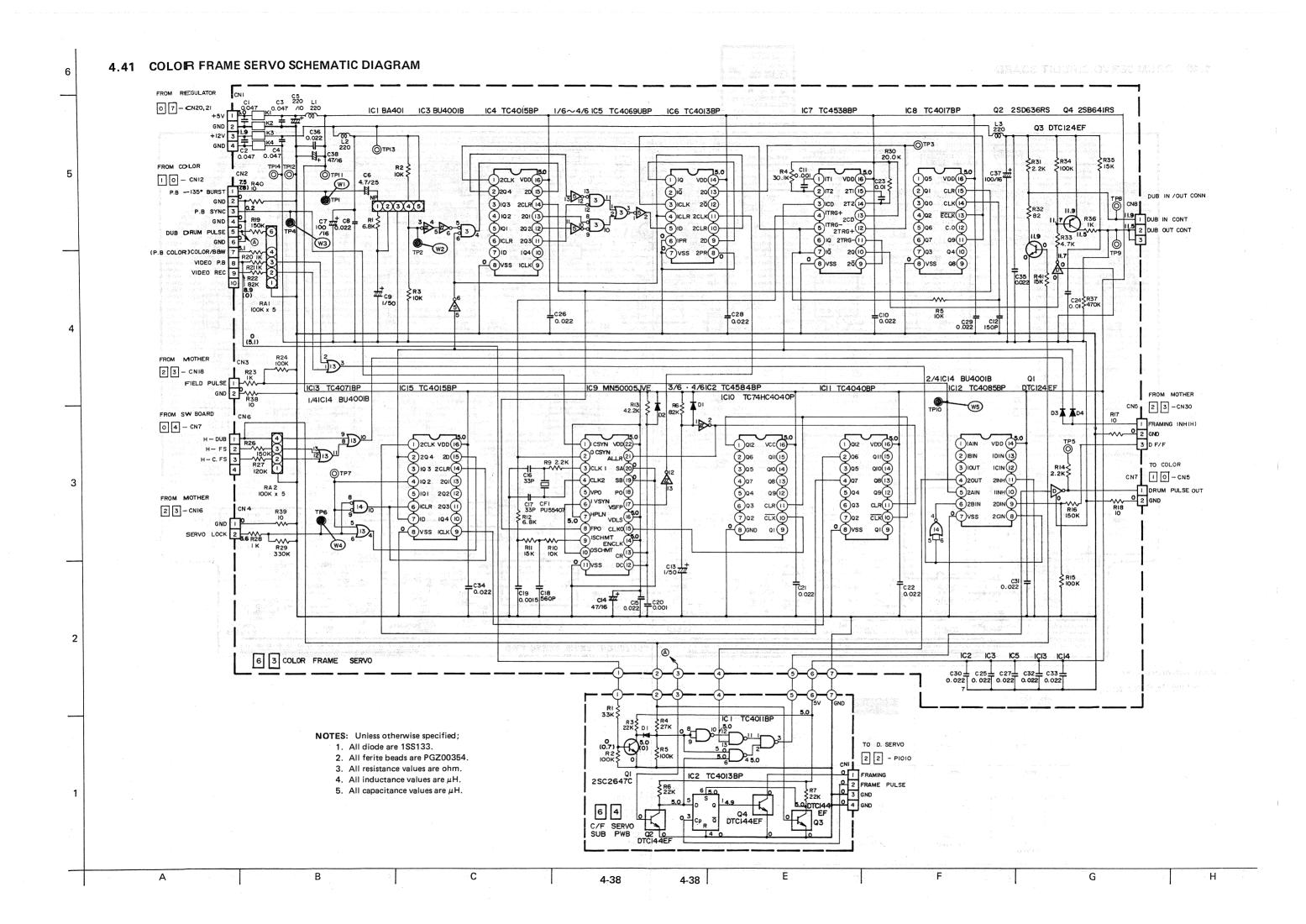
F

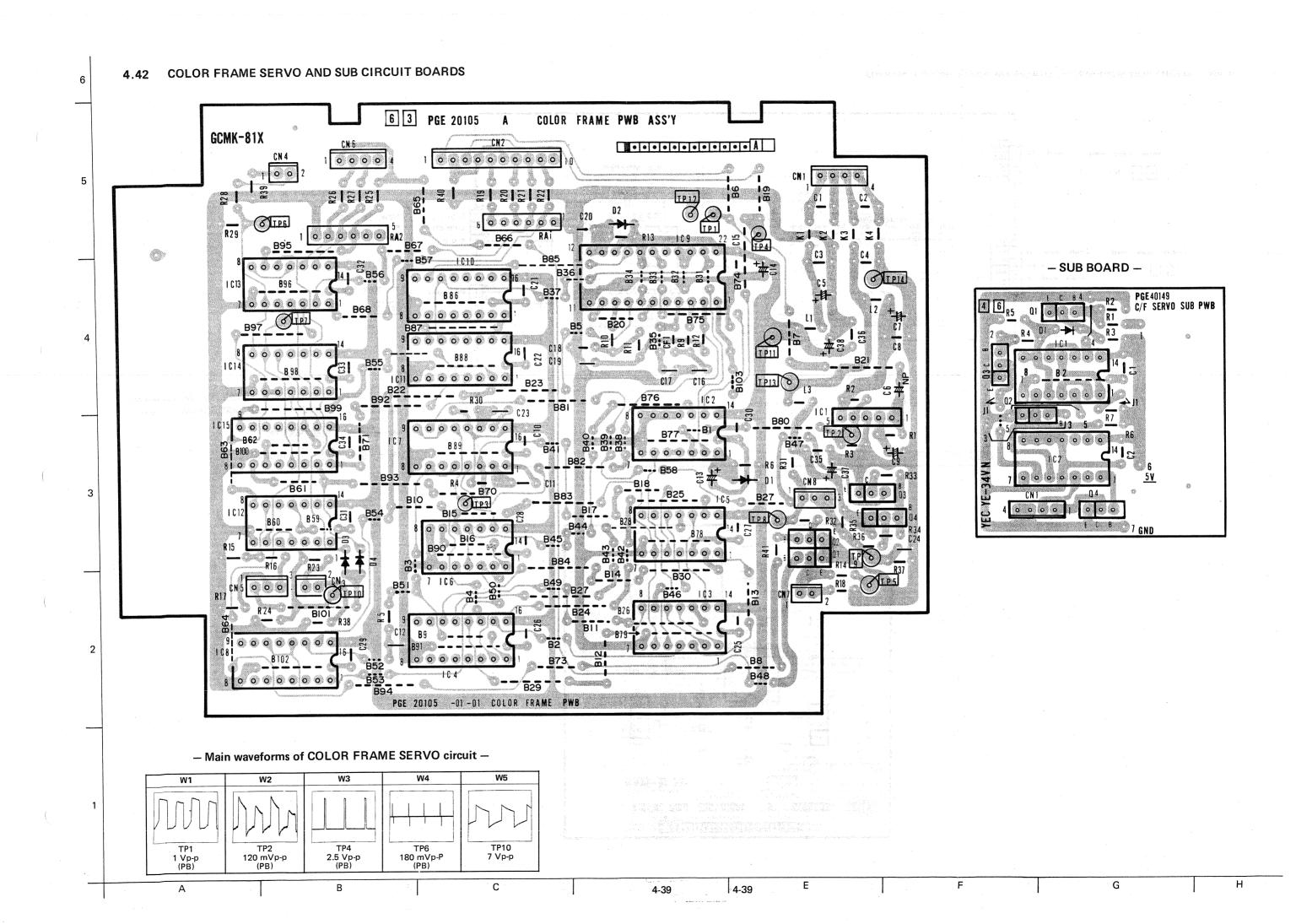
G

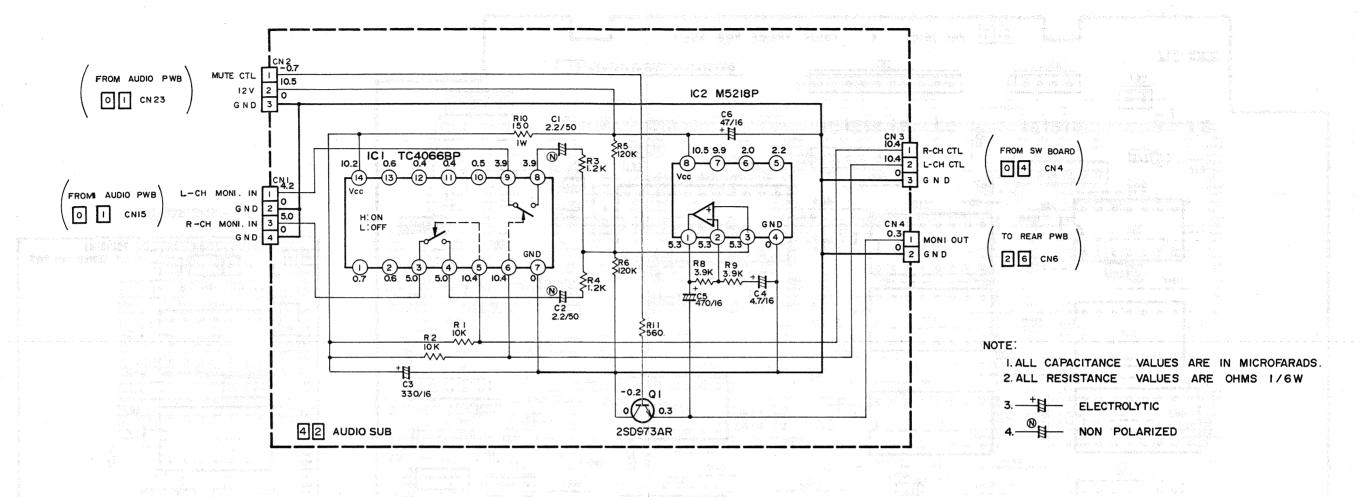
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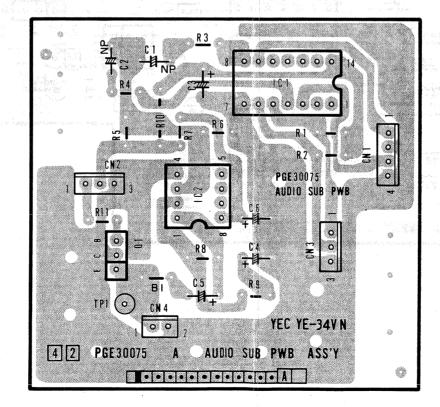




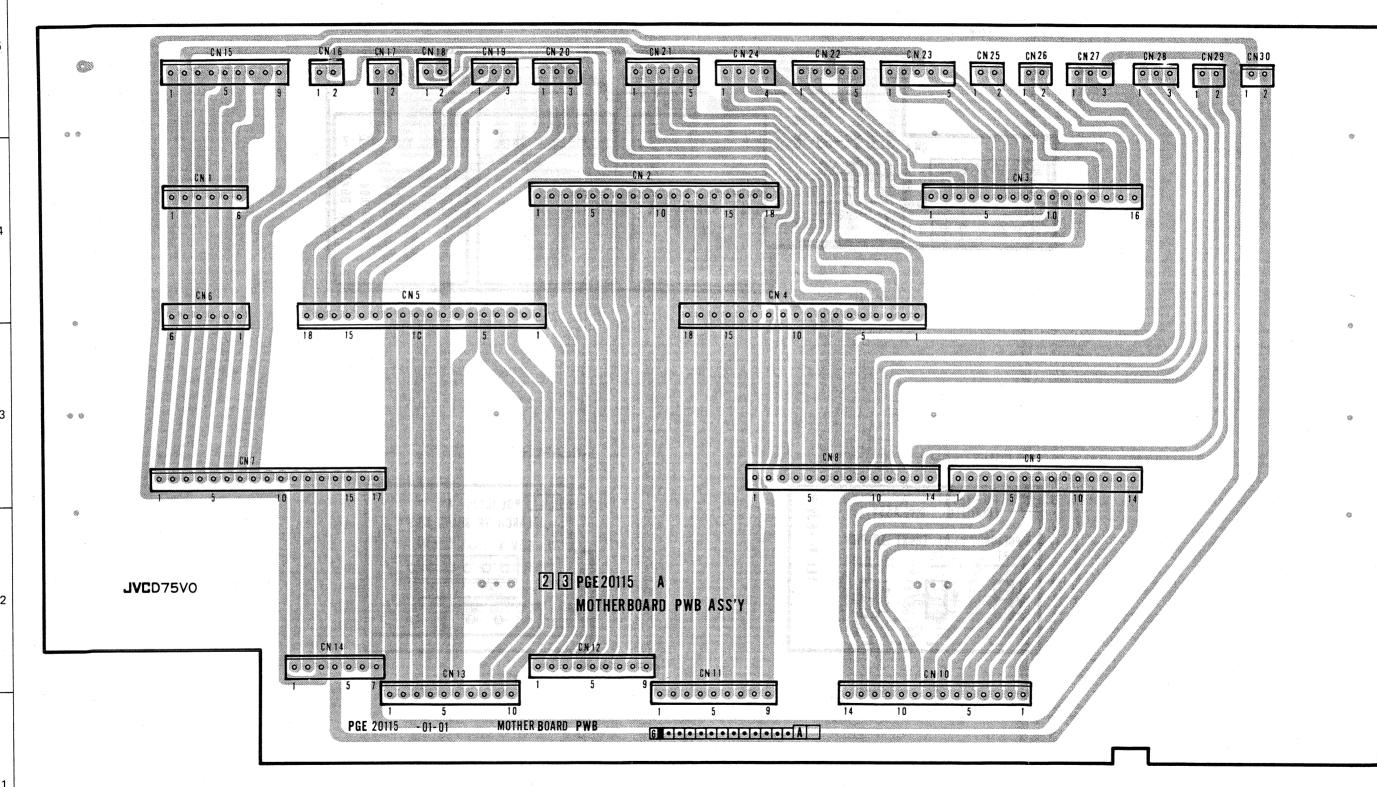








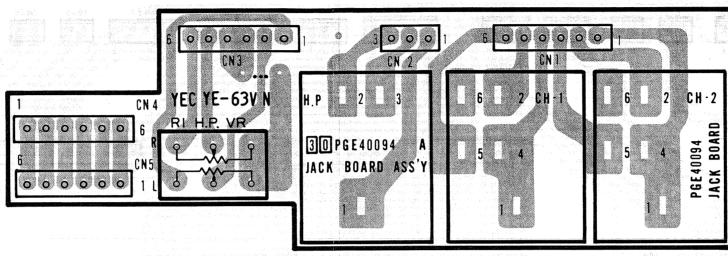
A B C 4-40 4-40 E F G H



1

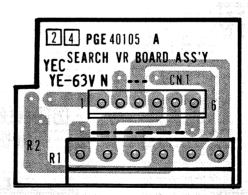
B C 4-41 4-41 E F G H

- JACK -



- FRONT LED -

2 5 PGE 40097 A PWB ASSY PGE40097-01-01 FRONT LED PWB - SEARCH -



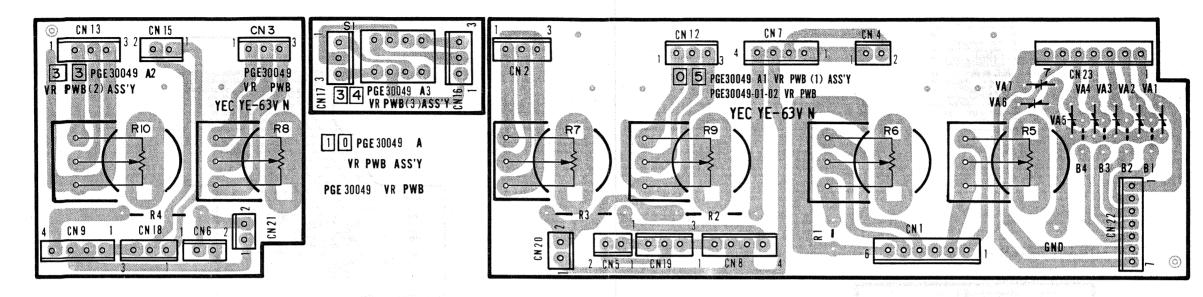
5

4-42

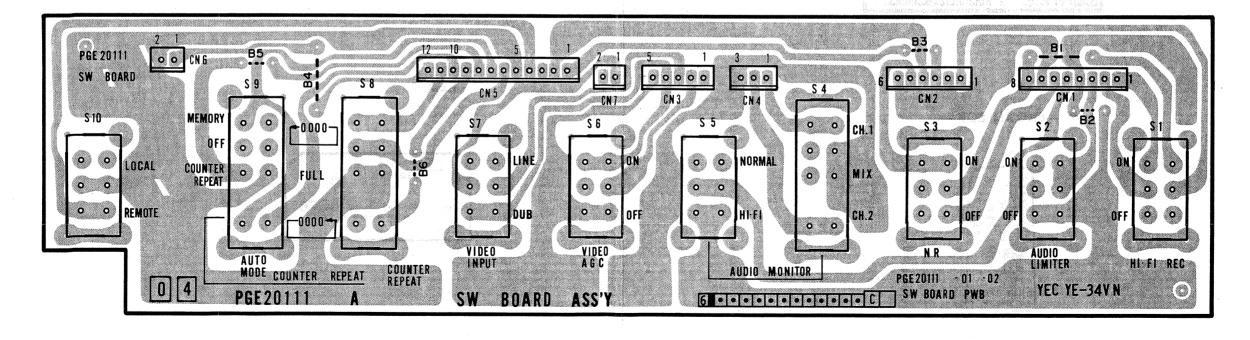
4-43

E

- VR -

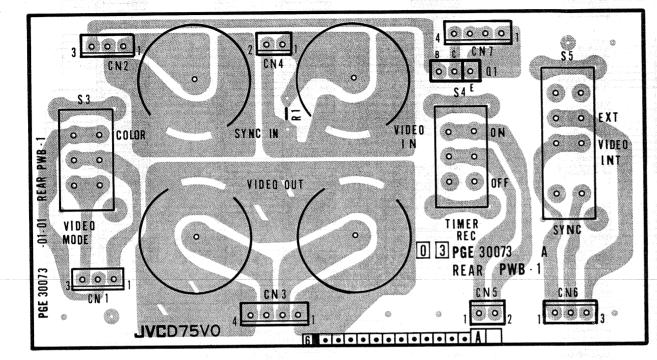


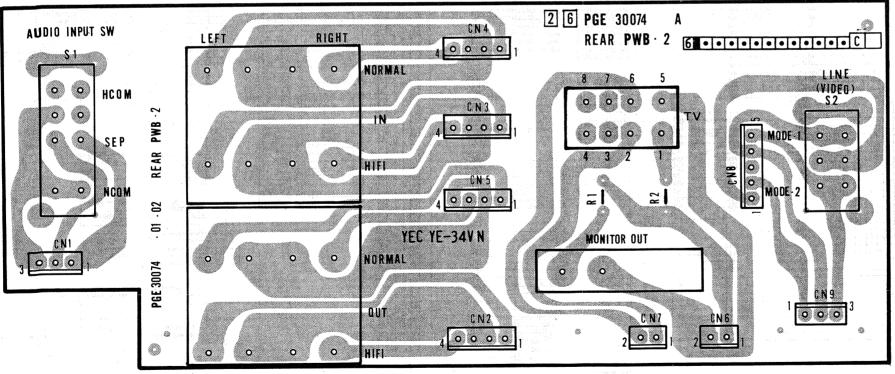
- SWITCH -

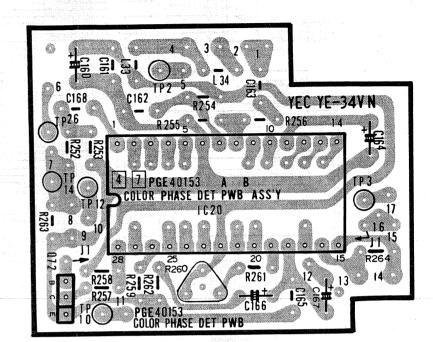


3

B C 4-44 4-44 E F







1

В

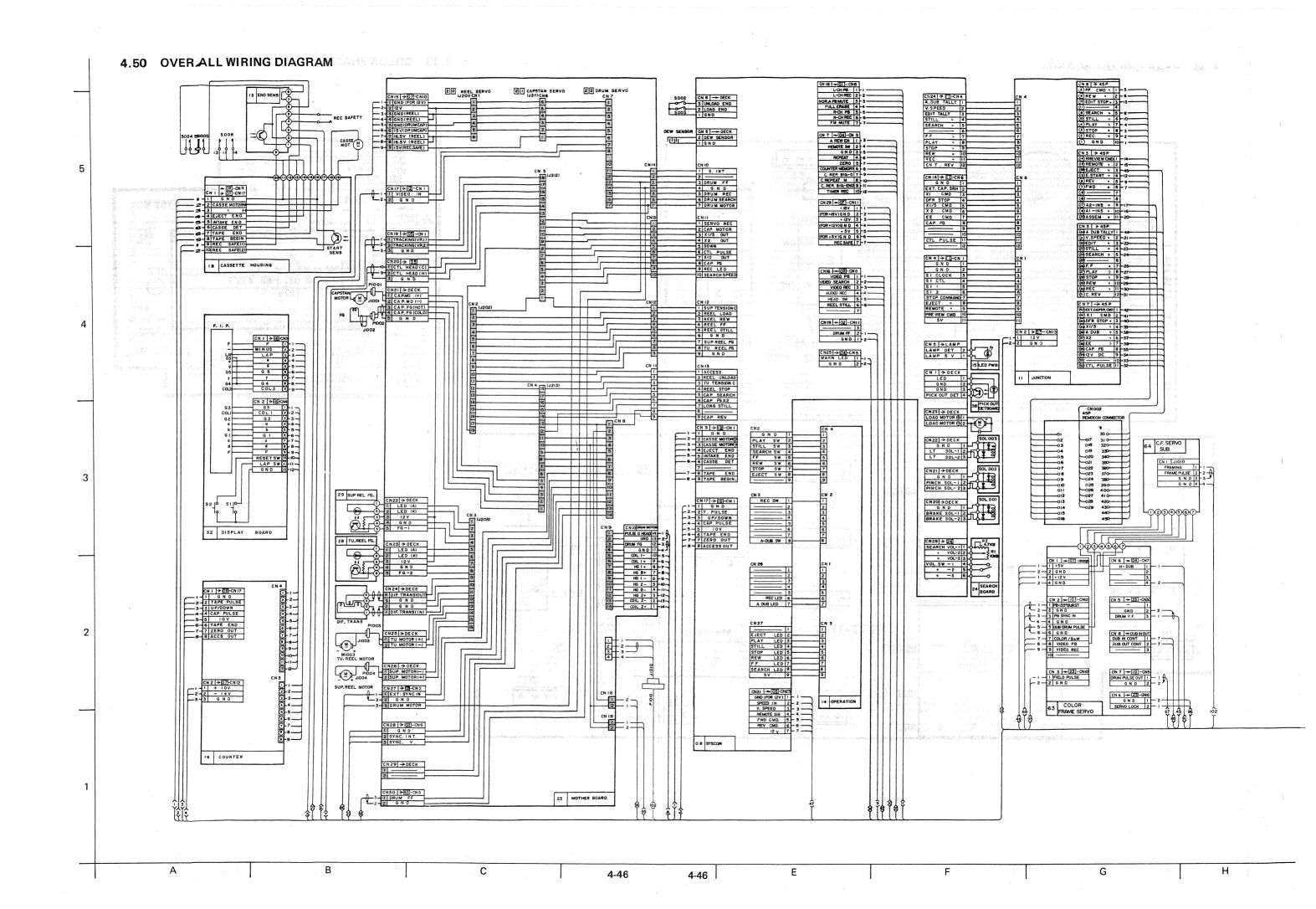
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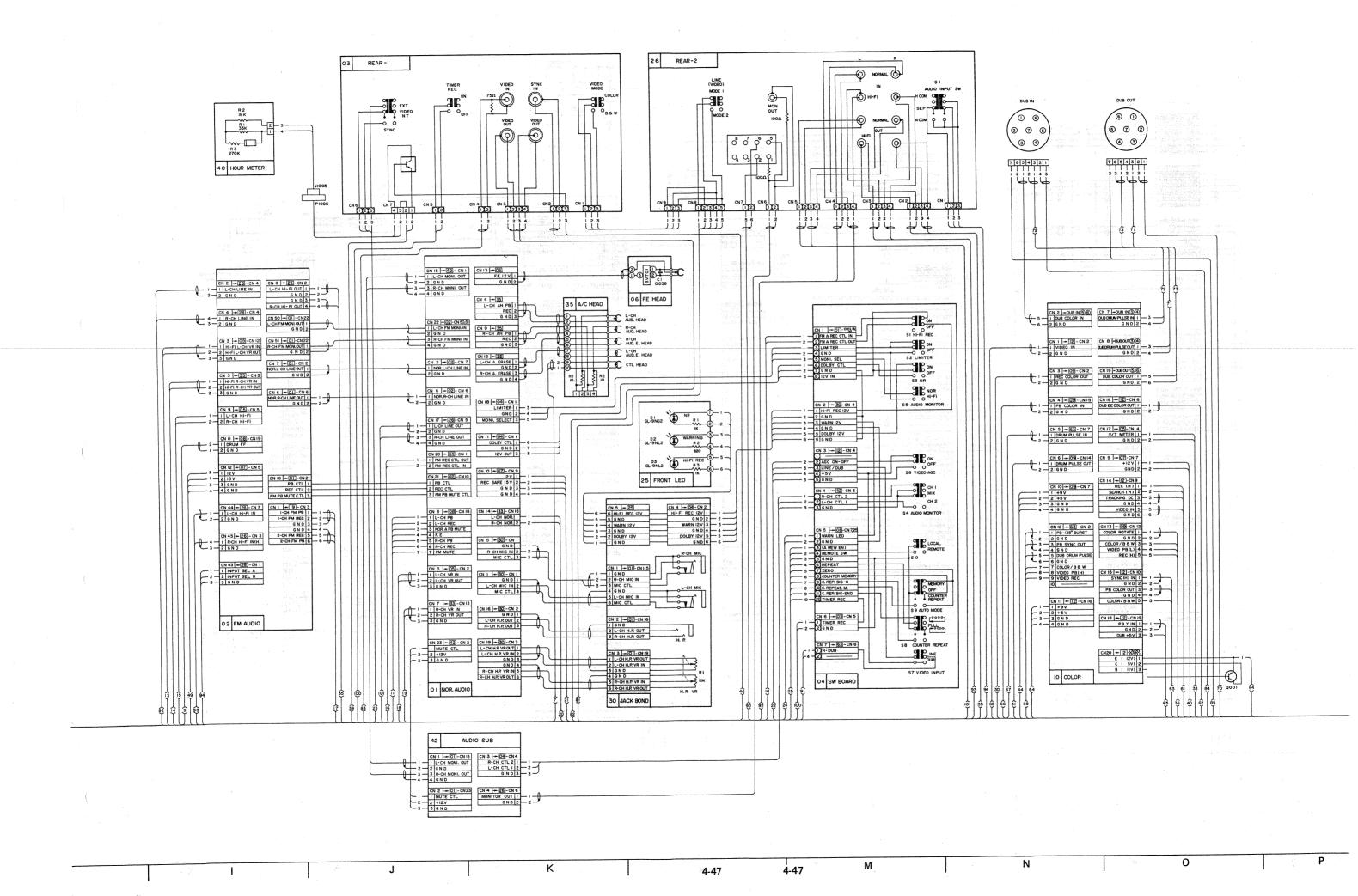
4-45

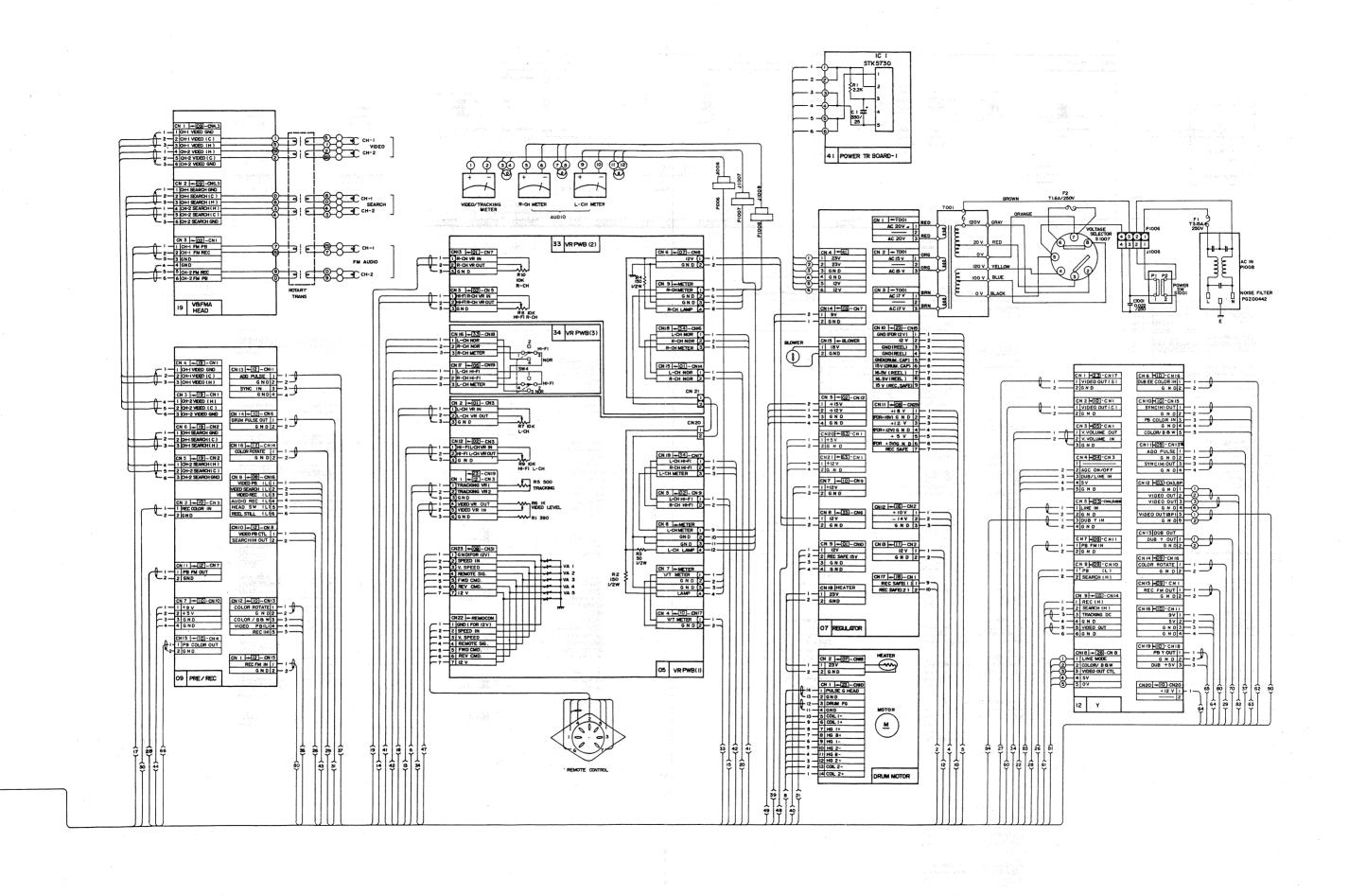
4-45

E

Н







Q R S T 4-48 U V W X

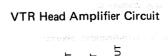
4.51 IC BL OCK DIAGRAMS



- AN607P -

VTR Recoding Video Signal Processing Circuit

- AN6310 -

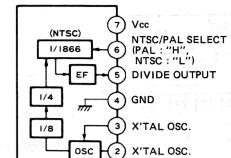


sw

- AN6330 -

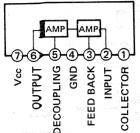
- AN6342 -

VTR Reference Frequency Divider

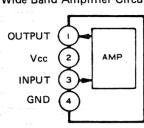


OSC. OUTPUT

Low Noise pre-Amplifier Circuit



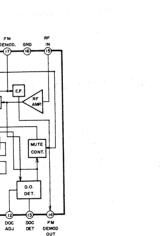
Wide Band Amplifier Circuit



GND WHITE CLIT ADJ SYNC SEP FILTER

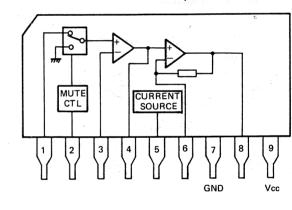
AGC

- AN6391S -

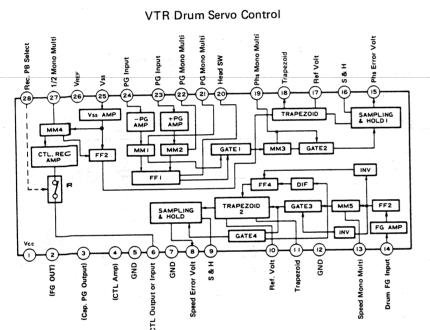


- AN6392 -

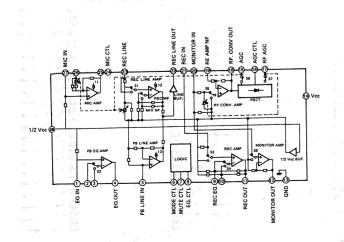
VTR REC Amplifier



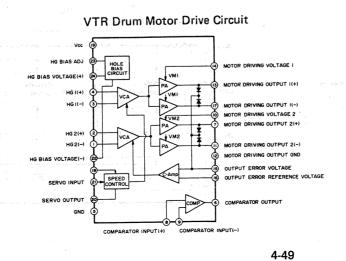
- AN6344N -



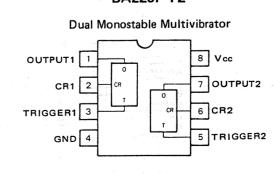
- AN6394 -



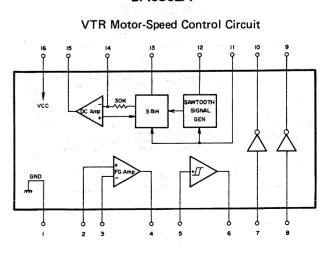
- AN6671K -

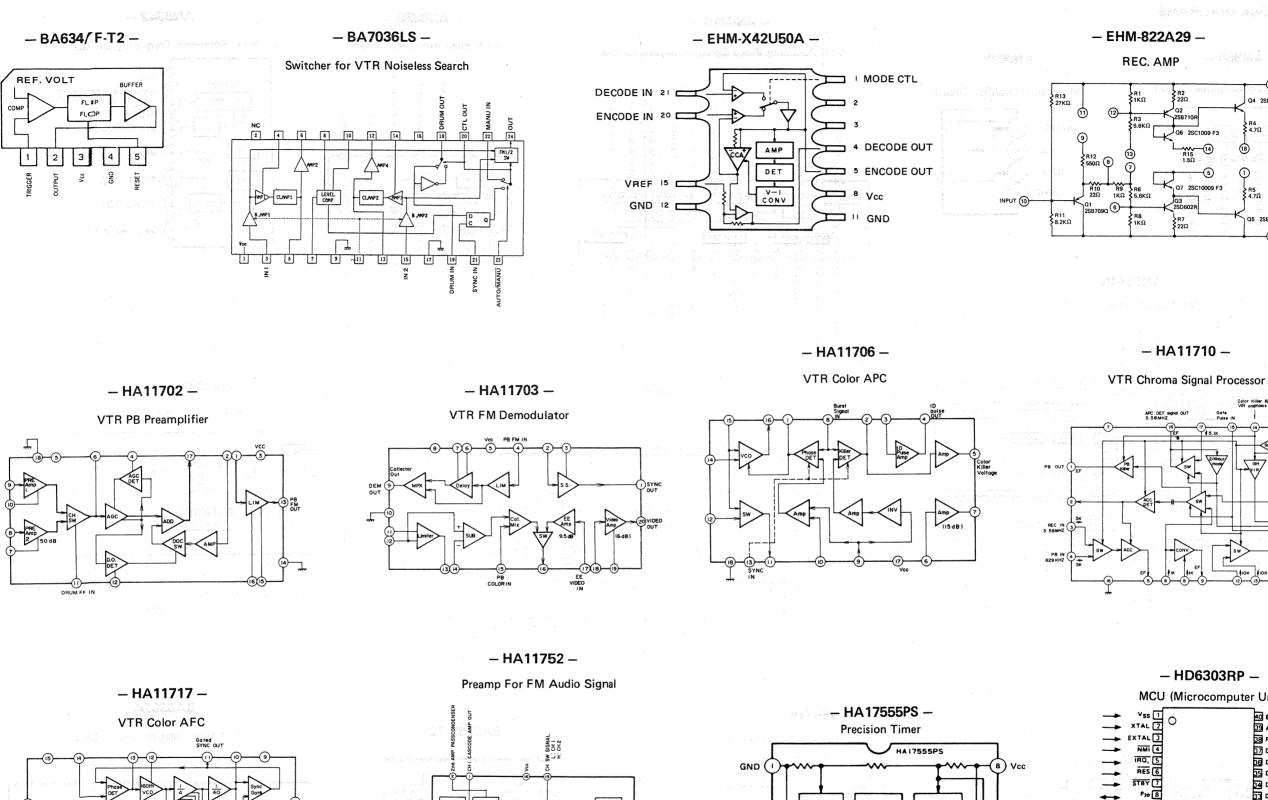


- BA226F-T2 -



- BA6302A -

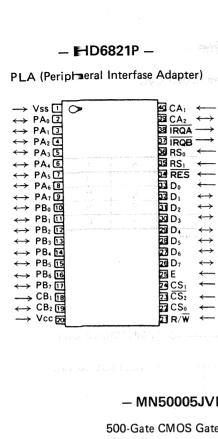




- HD6303RP -

- HA11710 -

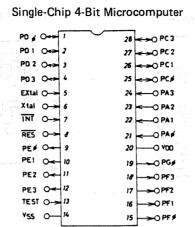
SYNC Pulse IN



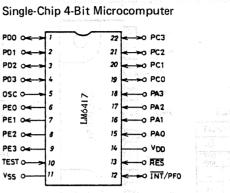
- LM2907N-8 -

Frequency to Voltage Converter CHANGE PUMP

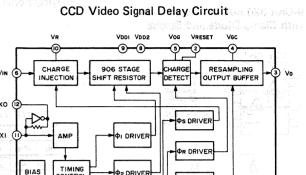
- LM6416E -



- LM6417E -



- MN3801 -



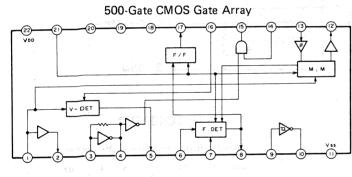
VBB VSSI VSS2

- MN50005JVE -

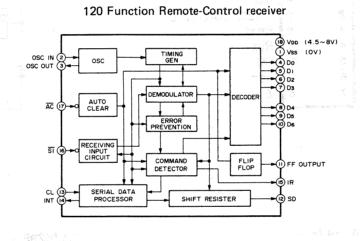
E CS₁ CS₂ CS₀

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

 $\overset{\longleftarrow}{\leftrightarrow}$

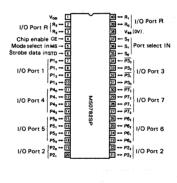


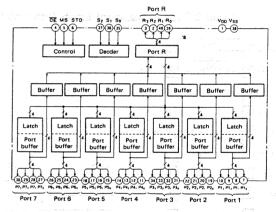
- M50117AP -



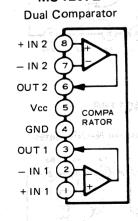
- M50782SP -

Input/Output Expander

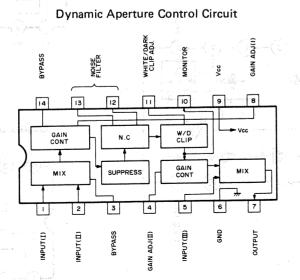




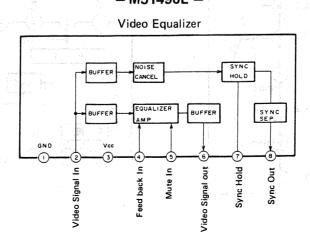
- M51207L -



- M5145AP -



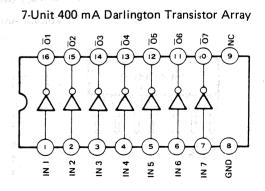
- M51490L -

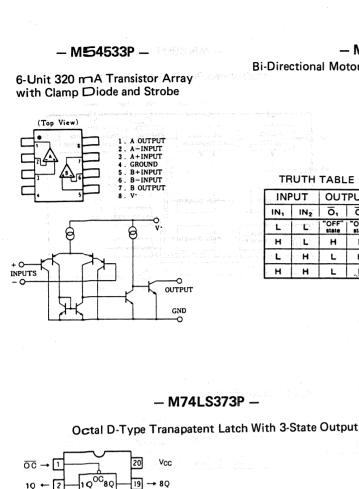


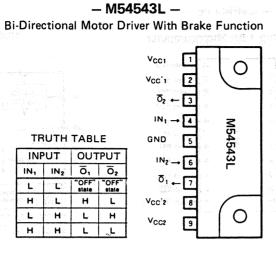
- M5218P -

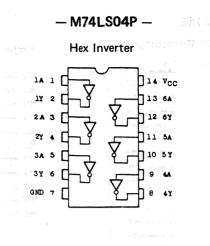
Dual Low Noise Oprational Amplifier (B) V+ OUT 1 -IN 1 (7) OUT 2 +IN 1 6) -IN 2 +IN 2

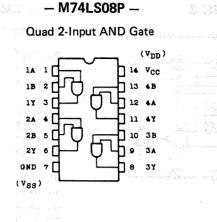
- M54519P -

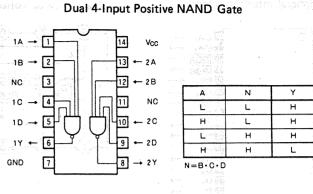




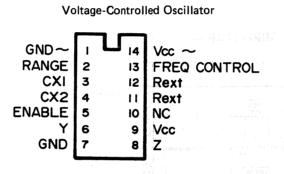




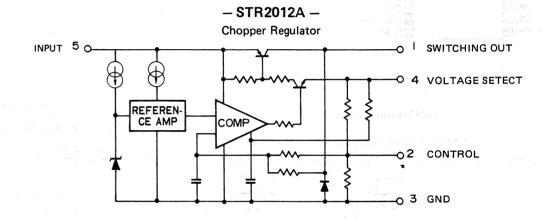


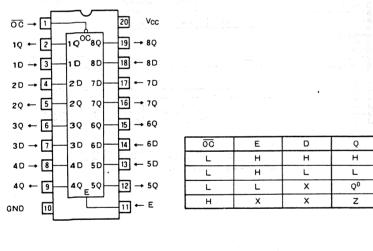


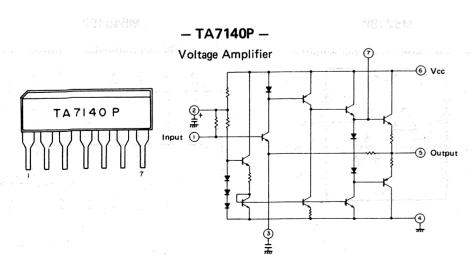
- M74LS20P -

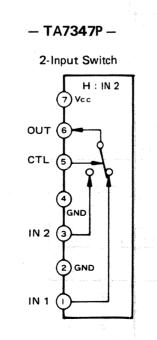


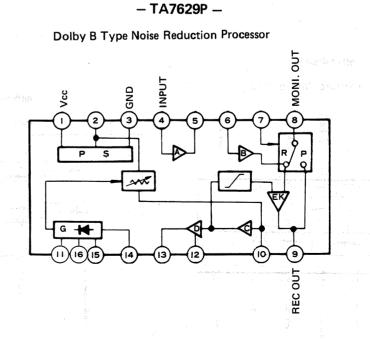
- SN74LS628N -

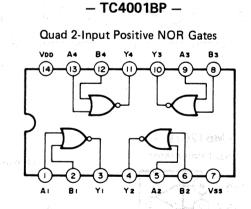


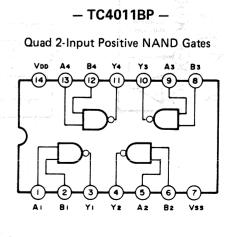






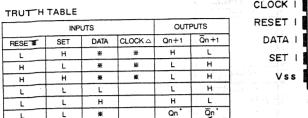






- TC4013BP -

Dual D-Type Flip Flop



- TC4028BP/BF -

BCD-To-Decimal Decoder

INPUTS

OUTPUTS 90 91 92 93 94 95 96 97 9

- ★ : Do an't Care
- △ : Level Change
- · : No Change



(Asynchronous Parallel Input or Synchronous Serial Input/Serial Output)

16 V DD

15 PI 7

14 PI 6

13 PI 5

12 Q 7

10 CLOCK

9

(TOP VIEW)

I I SERIAL IN

P/S

TRUTH TABLE

CLOCK PSPI1 PIn SI Q1

* H L L * L

n; $2 \sim 8$ \triangle ; $Q_1 \sim Q_5$ Internal $\triangle\triangle$; Level \divideontimes ; Don't Care

* H H H H *

L * * No Change

8-Stage Static Shift Register

PI 8 1

Q 6

Q 8

PI 4

PI 3 5

P12 6

PII

Vss

- TC4027BP -

Dual J-K Master-Slave Flip-Flop

TRUTH TABLE

i i		je II	NPUT	S		OUT	PUTS
	CL	PR	J	Κ	CP△	Qn+1	Qn+1
RESET2 Q2 Q2 CLOCK2 K2 J2 SET2	L	Н	*	*	*	, H	L
-(5-(4-(3-(2-(1)-(9-(9-(н	L	*	*	*	L	Н
	н	н	*	*	*	e E	н
HK CK JS	L	L	L	L	J	Qn	Qn°
[L	L	L	н		_{iz} -L	H
F K CK JS	L	L	н	L		н	L
	L	L	н	Н		Qn	Qn*
	L	L	*	*	-	Qn	Qn°
QI CLOCKI KI JI SETI VSS		₩ Dα	on't C	are		, and the second	

- △ Level Change
- No Change

- TC4030BP -

Quad Exclusive-OR Gate

QI 13 02 12 02 CLOCK II CLOCK 2 10 RESET 2 9 DATA 2

14 V DD

8 SET 2

L L L 0X,0Y,0Z

L L H 1X,0Y,0Z

L H. H 1X,1Y,0Z

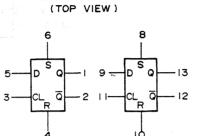
H H L 0X,1Y,1Z H H H 1X,1Y,1Z * ** * NONE

H L L

0X,1Y,0Z

0X.0Y.1Z

1X,0Y,1Z



		_				
PRESET EN ABLE	1 /	16	v _{DD}			
DOUT	2	15	CLOCK			
DIN	3	14	COUT			
AIN	4	13	CIN			
CARRY IN	5	12	BIN			
TUOA	6	11	BOUT			
CARRY OUT	7	10	UP/DOWN			
v _{ss}	8	9	BINARY/			
(TOP VIEW)						

	,			
61.88VIII	PRESET	110/00/4/1	BINARY/	MODE
CARRYIN	ENABLE	UP/DOWN	DECADE	WODL
L	L	н		UP COUNT
L	L	L	•	DOWN COUNT
*	н		• • • •	PRESET
Н	L			NO COUNT
L	L	•	Н	BINARY COUNT
L	L	•	L	DECADE COUNT
* Don't Care	3			

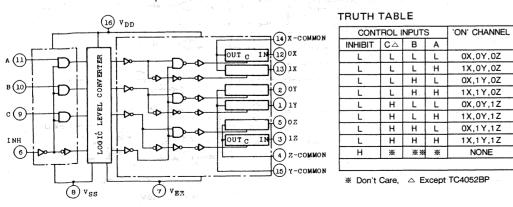
- TC4029BP -

Presettable UP/DOWN Counter

	,			3.2°
CARRY IN	PRESET UP/DOWN		BINARY/	MODE
	ENABLE		DECADE	
L	L	н		UP COUNT
L	L	L	•	DOWN COUNT
*	Н			PRESET
Н	L	*		NO COUNT
L	L	•	Н	BINARY COUNT
L	L	*	L	DECADE COUNT

- TC4053BP -

Triple 2-Channel Multiplexer/Demultiplexer



(TOP VIEW)

OUT/IN12 OUT/IN2 IN/OUT2 CONT2 CONT3 6	11 VDD 13 CONT 1 12 CONT 4 11 1N/OUT 4 10 OUT / 1N 4 9 OUT / 1N 3
Y _{SS} 7	9 OUT. IN 3 8 IN OUT 3

- TC4066BP -

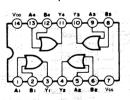
Quad Bilateral Switch

Hex Inverter

- TC4069UBP -

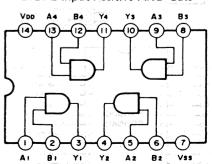
- TC4071BP -

Quad 2 Input OR Gate



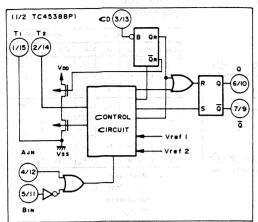
- TC4081BP -

Quad 2-Input Positive AND Gate



- TC4538BP -

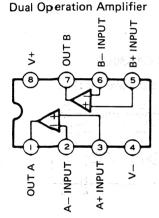
Dual Precision Retriggerable/ Resettable Monostable Multivibrator

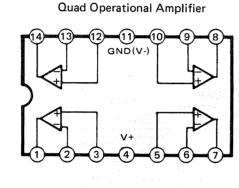


NOTE	PUT	OUT	INPUT		
MOTE	ō	0	CD	Bin	AIN
OUTPUT ENABLE	IJ	Л	н	н	. .
INHIBIT	н	L	н	L	5
INHIBIT .	Н	٦	н	7	H
OUTPUT ENABLE	U	Л	н	ì	L
INHIBIT	н	L	L	×.	×

X Don't Care

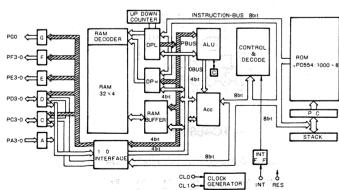
- UPC1458C -

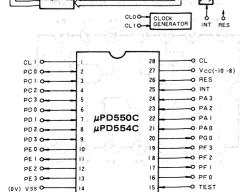


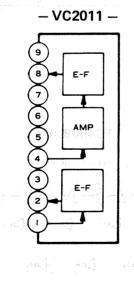


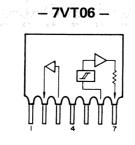
- UPC324C -

- UPD550C-055 -- UPD554C-058 -Single-Chip 4-Bit Microcomputer



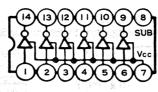






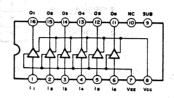
- TD62703P -

High Voltage Source Current Driver

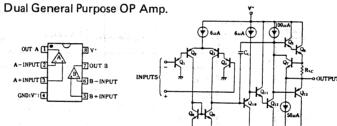


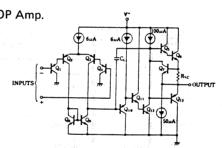
- TD62706P -

High Voltage Source Current Driver



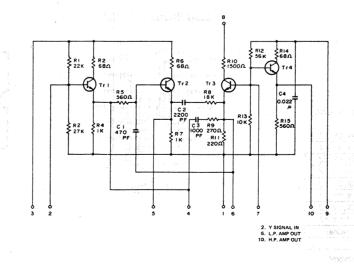
- UPC358C -





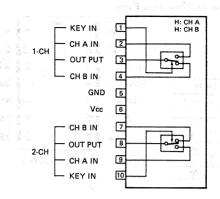
- 10VT12 -

For Noise Canceller Circuit



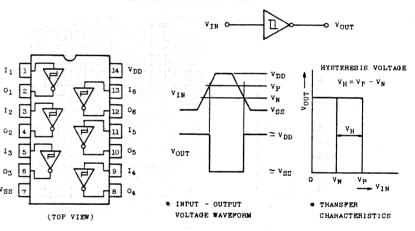
- TK15021 -

Analog Switch

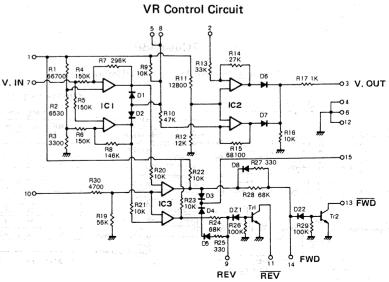


- UPD4584BC -

Hex Schimitt Trigger

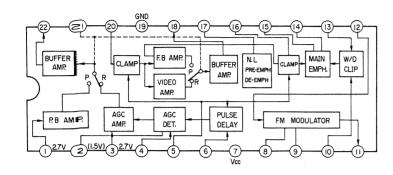


- 15VT01 -



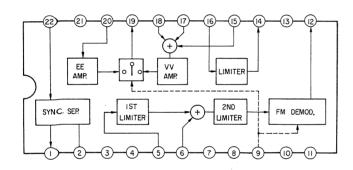
- AN6306 -

VTR Recordin g Video Signal Processing Circuits



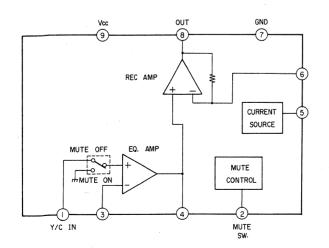
- AN6327 -

VTR Playback Video Signal Processing Circuits



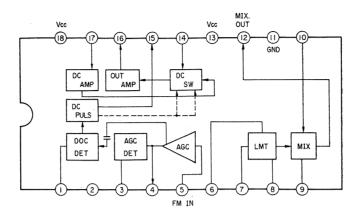
- AN6392 -

VTR Rec Amp



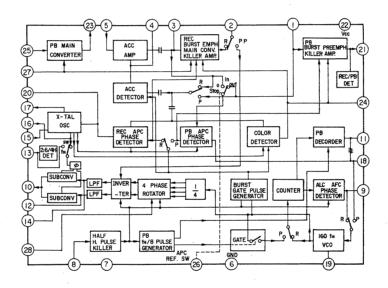
- AN6393 -

VTR Luminance Signal Processing Circuits



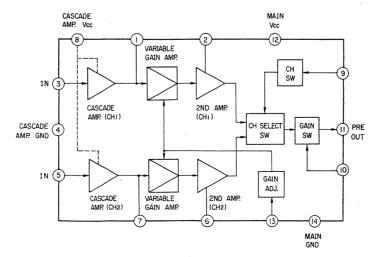
- HA11756 -

VTR Colour Signal Processing Circuits



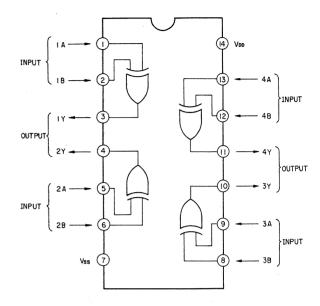
- HA11782 -

Variable Gain Amp



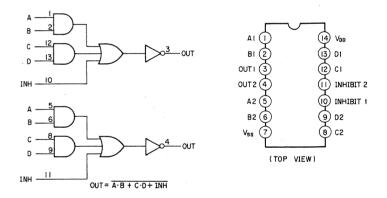
- M4030BP -

Quadruple Exclusive-or Gate



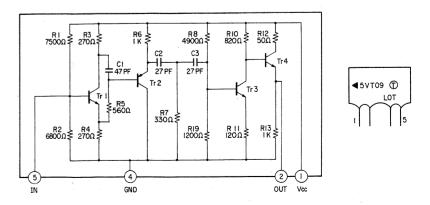
- TC4085BP -

Dual 2-Wide 2-Input and-or-invert Gate



- 5VT09 -

Hybrid Amp



SECTION 5 PARTS LIST PARTS AND PARTS LIST

SAFETY PRECAUTION

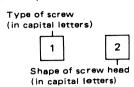
Parts identified by the \triangle symbol are critical for safety. Replace only with specified part numbers.

	ay mataly magan samsundar the	haaniyalaania b			Page
5.1 STAI	NDARD PART NUMBER CODING Screw coding		1.3 mg bagtav - Ernaucht 1991.a	garagase one see sparse garagase polici - Properta on	F - 4
5.1.2	Fuse coding	usi saaraa.			
5.2 EXP	LODED VIEWS AND PARTS LIST				
5.2.1	Packing assembly			· · · · · · · · · · · · · · · · · · ·	5 - 3
5.2.2	Cabinet assembly			.6	5 - 4
5.2.3	Front panel assembly				5 - 9
5.2.4	Chassis assembly			1	5 - 6
5.2.5	Mounting bracket assembly				5 - 8
5.2.6	Rear frame assembly				5-1(
5.2.7	Main-deck (1) assembly				5-12
5.2.8	Main-deck (2) assembly				
5.2.9	Sub deck assembly				5 16
5.2.10	Drum assembly	nd ritte (with 1000)		yayen basak	5-19
5.2.11	Drum assembly			Line edikokasky džini i m	5-20

5.1 STANDARD PART NUMBER CODING

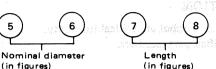
5.1.1 Screw coding

Standard screw part numbers are as follows.









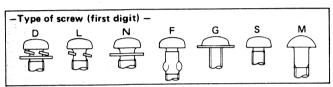


Type of screw (first digit)

- S. Normal screws
- Assembled machine screws (with plain and spring washers)
- L

(with spring washer)

- N
- (with plain washer)
- F Feather screws
- Washer head tapping screws G
- M Wood screws



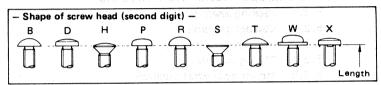
Shape of screw head (second digit)

Oval countersunk head

- B Brazier head
- W Washer head (machine screws)
- D Binding head
- X. Toothed head
- Pan head

(in figures)

- Round head
- s Flat head
- Truss head



Material (third digit)

- S Steel
- Stainless steel
- Cast iron C
- U Copper
- B Brass

- N. Nickel silver
- Cast brass
- Aluminum Δ
- Zinc alloy
- K Polycarbonate
- Phosphor bronze

Shape of thread (fourth digit)

- P Cross recessed head screws
- (-) Slotted head machine screws
- Slotted-cross recessed head machine screws
- Κ Cross recessed head machine screws for precision equipment (type 1) (type 3)
- Н
- Cross recessed head tapping screws (type 1) Α
- В (type 2)
- С (type 3) Ε
 - Cross recessed head special tapping screws (brand : evertight) ,, (brand : P-tight)
- F . ,, Т (brand : taptight) ,, G

Shape of thread (fourth digit) -

head

Cross recessed

Slotted head



Slotted-cross



P. (-), X, K, H

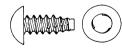


G



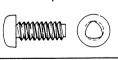


Е









Nominal diameter (fifth and sixth digits)

The fifth and sixth digits are numbers indicating a nominal diameter or dimension. If the dimension exceeds 10 mm, three digits are used. The number indicates a nominal diameter or dimension, given in millimeters, multiplied by ten.

Length (seventh and eighth digits)

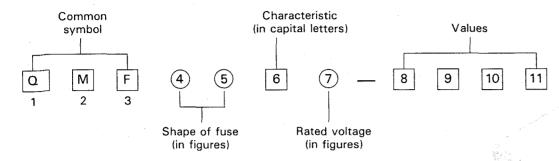
The seventh and eighth digits are numbers indicating length in milimeters. The preceding figure is zero when the dimension is smaller than 10 mm. For machine screws used in precision equipment whose length is given in units of 0.1 mm, the number indicates ten times the size of their length.

Surface treatment (ninth digit)

- Z Dichromate treatment after galvanizing (MFZn II-C)
- Nickel plating (MFNi II, MFNi I)
- Chromium plating (MBCr II, MBCr I) R
- Silver plating (SP4) G
- Black coating after plating
- Blackening of iron (FB)
- M Blackening after galvanizing
- K Pickling of brass (PF2)
- P Phosphate treatment
- W Uni-chrome plating
- L Coating with transparent paint
- A Coloring red after galvanizing (MFZn II-C)
- C Coloring blue after galvanizing (MFZn II-C)
- Coloring green after galvanizing (MFZn II-C)
- V Coloring purple after galvanizing (MFZn II-C)

5.1.2 Fuse c∞ding

Standard fuse part numbers are as follows.

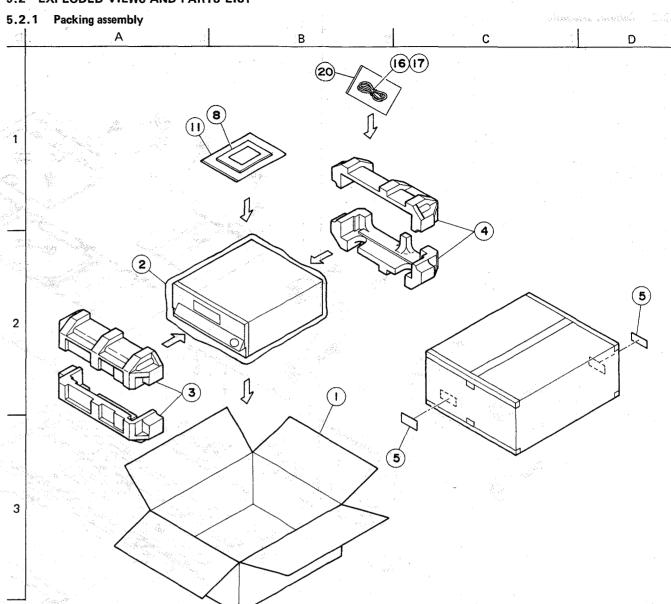


	of fuse n and fift h digits)		d voltage enth digit)	Values (eighth-tei	nth or eleventh digit
51	ϕ 5.2 $ imes$ 20 mm	1	AC125 V	example:	
60	ϕ 6.4 $ imes$ 30 mm	2	AC250 V	R63 .	0.63 A
61	$\phi 6.35 \times 31.8 \text{ mm}$	3	0.1-1 A: AC250 V	1R0 .	1.0 A
63	ϕ 6.4× 30 mm with lead wires		1.25-6.3 A: AC125 V	2R5 .	2.5 A
66	$\phi 6.35 \times 31.8$ mm with lead wires			100	10 A
00	Special type			R315 .	0.315 A

Characteristics (sixth digit)

Symbol	Fusing Current	Fusing Time	Remarks
	210 %	Within 2 min.	
A	275 %	0.6 - 10 sec.	Anti meh tung /for Europa)
	400 %	0.15 - 3 sec.	Anti-rush type (for Europe)
	1000 %	0.02 - 0.3 sec.	
	210 %	Within 30 min.	
В	275 %	0.05 - 2 sec.	Regular fusible type (for SEMKO, Europe)
	400 %	0.01 - 0.3 sec.	(lor granco, curoper
	135 %	Within 1 hr.	
С	200 %	Within 2 min.	Regular fusible type (for UL, Japar
	210 %	Within 2 min.	7)
_	275 %	0.6 - 10 sec.	And make and the Forman
E	400 %	0.15 — 3 sec.	Anti-rush type (for Europe)
	1000 %	0.02 - 0.3 sec.	
	135 %	Within 1 hr.	A
J	200 %	Within 2 min.	Anti-rush type
	135 %	Within 1 hr.	Danilar fraible true (for III)
M	200 %	Within 2 min.	Regular fusible type (for UL)
	160 %	Within 1 hr.	Decide faible to a
R	200 %	Within 2 min.	Regular fusible type
	160 %	Within 1 hr.	
S	200 %	Within 2 min.	Anti-rush type
	700 % — 2000 %	Within 0.01 sec.	
	135 %	Within 1 hr.	
U	200 %	Within 2 min.	Anti-rush type (for UL)
	800 % - 2000 %	Within 0.01 sec.	

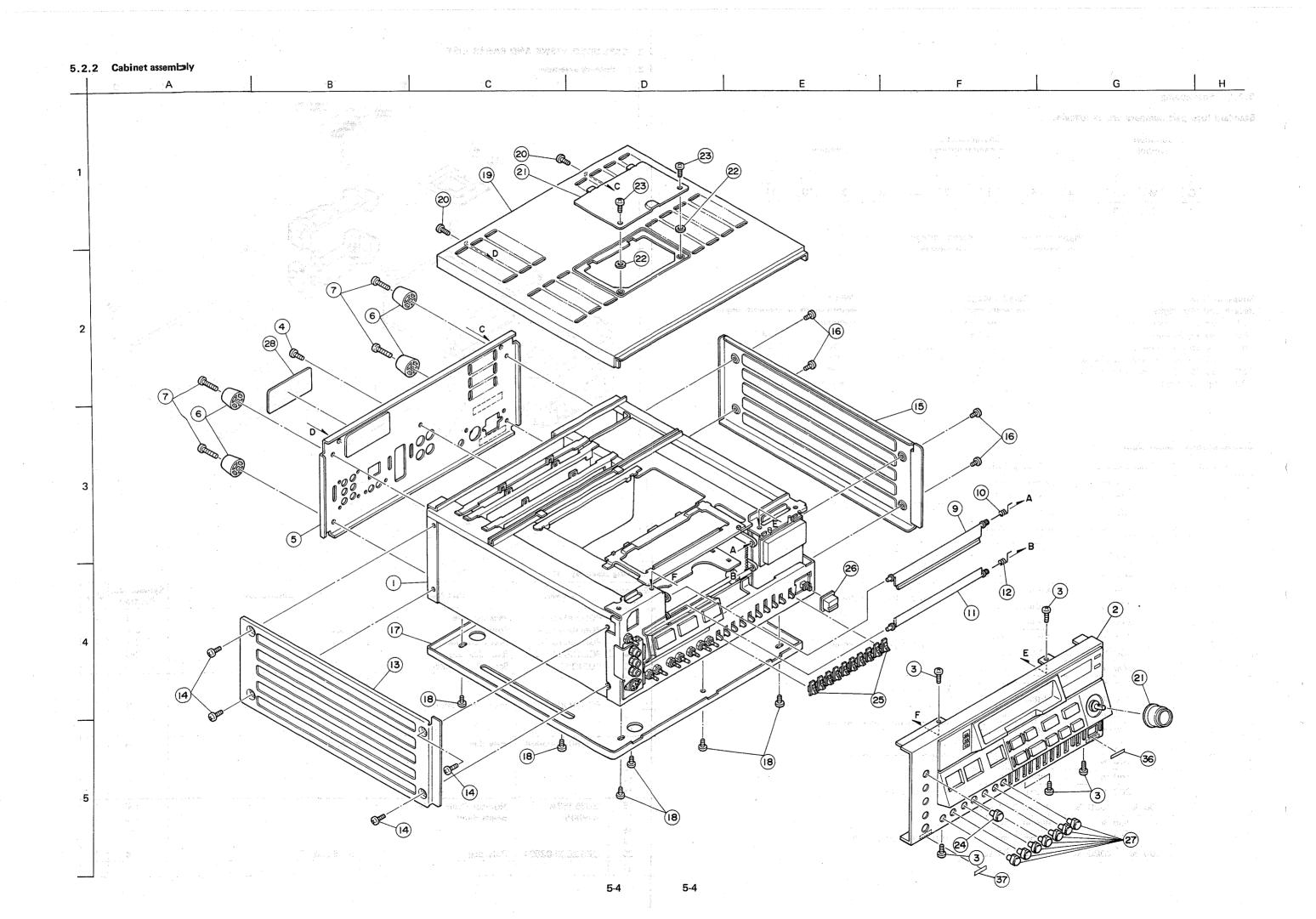
5.2 EXPLODED VIEWS AND PARTS LIST

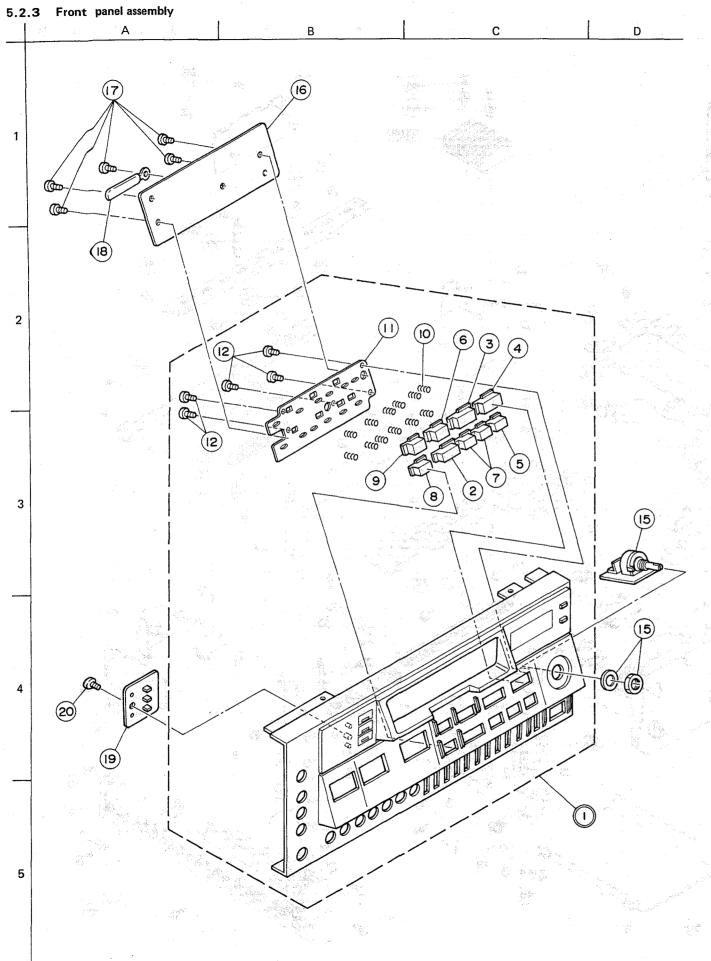


- Packing assembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
100	PGD20025-21	Packing Case		2-B	1
2	PUM30021-24	Poly Bag	for Set	2-A	1
3	PGD10013-1-2	Front Cushion		2-A	1
4	PGD10014-1-2	Rear Cushion		2-C	1
5	PUP40619	Serial No. Sticker		2-D	2
- 6	_	in the second second		_	_
7	5 i −			-	_
A 8	PGD30002-85	Instruction Book		1-B	1
9	<u> </u>			_	-
10) - %			<u> </u>	
11	QPGB024-03404	Poly Bag	for 8, 9	1-A	1
12		e e e e e e e e e e e e e e e e e e e		_	-
13		- -			_
14	_			_	
15				. –	
16	GU35252A	Monitor Cable Ass'y		1-C	1
17	A49005	Beads Band ි ු		1-C	1
18		- * * *		_	-
19	- . i	· -		_ `	
20	QPGB020-02804	Poly Bag	for 16 and 17	1-B	1
21	-	-		_	_

1R25 1.25 A



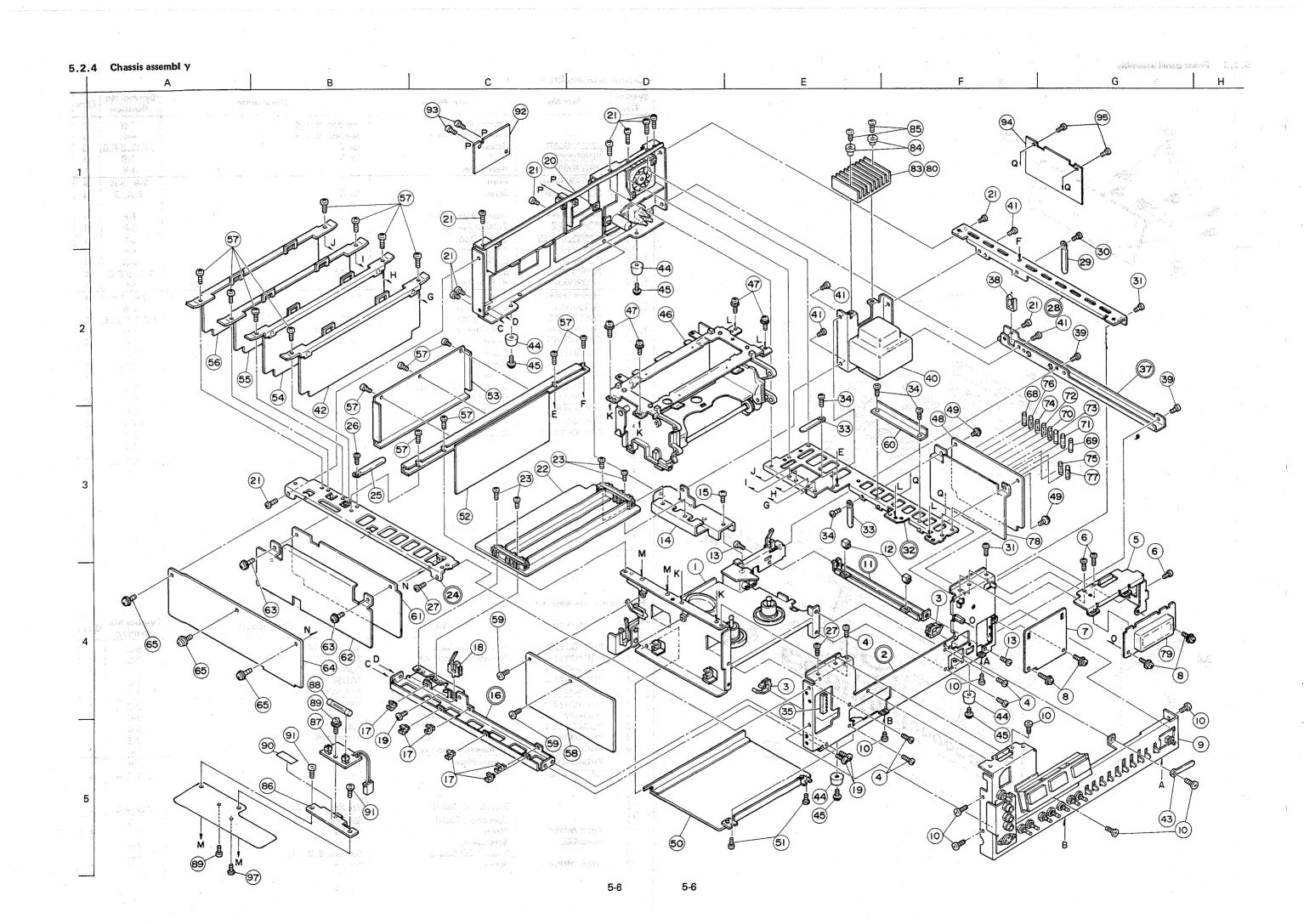


- Cabinet assembly list -

	Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
1	**- 1	_	Chassis Ass'y	See Sec. 5.2.4.	4-B	1
	2	_	Front Panel Ass'y	See Sec. 5.2.3.	4-G	1
ា	3	SDBP3006R	Screw	for 2	4-F,G,5-F,G	5
	4	SDBP3006M	(1) (1)	for 5	2-B	1
	△ 5	PRD20029-01-01	Rear Panel		3-B	1
	- 6	QZF2319-001	Foot		2-B, 3-A	4
	7	SDBP4018M	Screw	for 6	2-A, B	4
	8				-	· -
	9	PQ30107AA-1	Upper Door Ass'y		3-F	1
	10	PQ40104-2	Torsion Spring		3-F	1
Γ	11 .	PQ30020-2-15	Lower Door		4-F	1
- 1	12	PQ40472	Torsion Spring		4-F	1
	13 1 3	PGD20007	L. Side Panel		4-B	1
	14	SDBP4006R	Screw	for 13	4-A, 5-B,C	4
	△ 15	PGD20008	R. Side Panel		3-F	1
	16	SDBP4006R	Screw	for 15	2-E, 3-F	4
	△ 17	PU10364-2	Bottom Cover		4-B	1
	18	SBST3006Z	Tapping Screw	(for 17)	4-C,5-C,D,E	6
- 1	<u>∧</u> 19	PGD20034A-1	Top Cover Ass'y	Incl. 21 to 23	1-C	1
	20	SDBP3006R	Screw	for 19	1-C	2
Ì	21	PGD30155-1-2	Cover		1-C	1
	22	PUM30017-6	Slit Washer		1-E, 2-D	2
	23	SDBP3006R	Screw		1-D	2
	24	PGD40035A-1	Search VR Knob Ass'y		4-G	1
20	25	PGD40023	Slide Knob		4-E	10
	26	PGD40026	Push Knob	for POWER SW	4-E	1
	27	PU52482	VR Knob	A72	5-F,G	8
- [∆ 28	PGD30018-15	Serial No. Plate		2-B	1
	29	-			2-B	2
.]	30	70 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	31		— \$\frac{1}{2} \tag{2}		_	-
	32	- 1 4	·		_	-
	33					-
	34	_	_		_	-
	35		.,			
	36	PQ4111-1-4	Serial No. Plate			1
	37	PU54559-2	Label		5-F	1
	38	· - · · · · · · · · · · · · · · · · · · ·			L	

- Front panel assembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
<u></u>	PRD10010C	Front Panel Ass'y	Incl. 2 to 14	5-C	1
2	PGD40021-2	Operation Knob (A)	STOP	3-C	1
3	PGD40021-3	" (A)	PLAY	2-C	1
4	PGD40021-4	/ (A)	PAUSE	2-C	1
5	PGD40022	" (B)	SEARCH	3-C	1
6	PGD40022-2	" (B)	REC	2-C	1
7	PGD40022-3	(B)	REW/FF	3-C	2
8	PGD40022-4	(B)	EJECT	3-C	1
9	PGD40022-5	" (B)	AUD DUB	3-B	1
10	PGD30004-3	Compression Spring		1-C	12
11	PRD40480	Switch Plate		2-B	1
12	SBSF2605Z	Tapping Screw	for 11	2-B, 3-A	4
13	<u>-</u>	- -		_	-
14	-	-		_	
15		Search VR Board	See Sec. 6.2.23.	3-D, 4-D	1_
16	-	Operation Board	See Sec. 6.2.14.	1-B	1
17	SBSF2606Z	Screw	for 16	1-A	5
18	PU49485	Wire Clamp		2-A	1
19	- .	Front LED Board	See Sec. 6.2.24.	4-A	1
20	SBSF2606Z	Screw	for 19	4-A	1



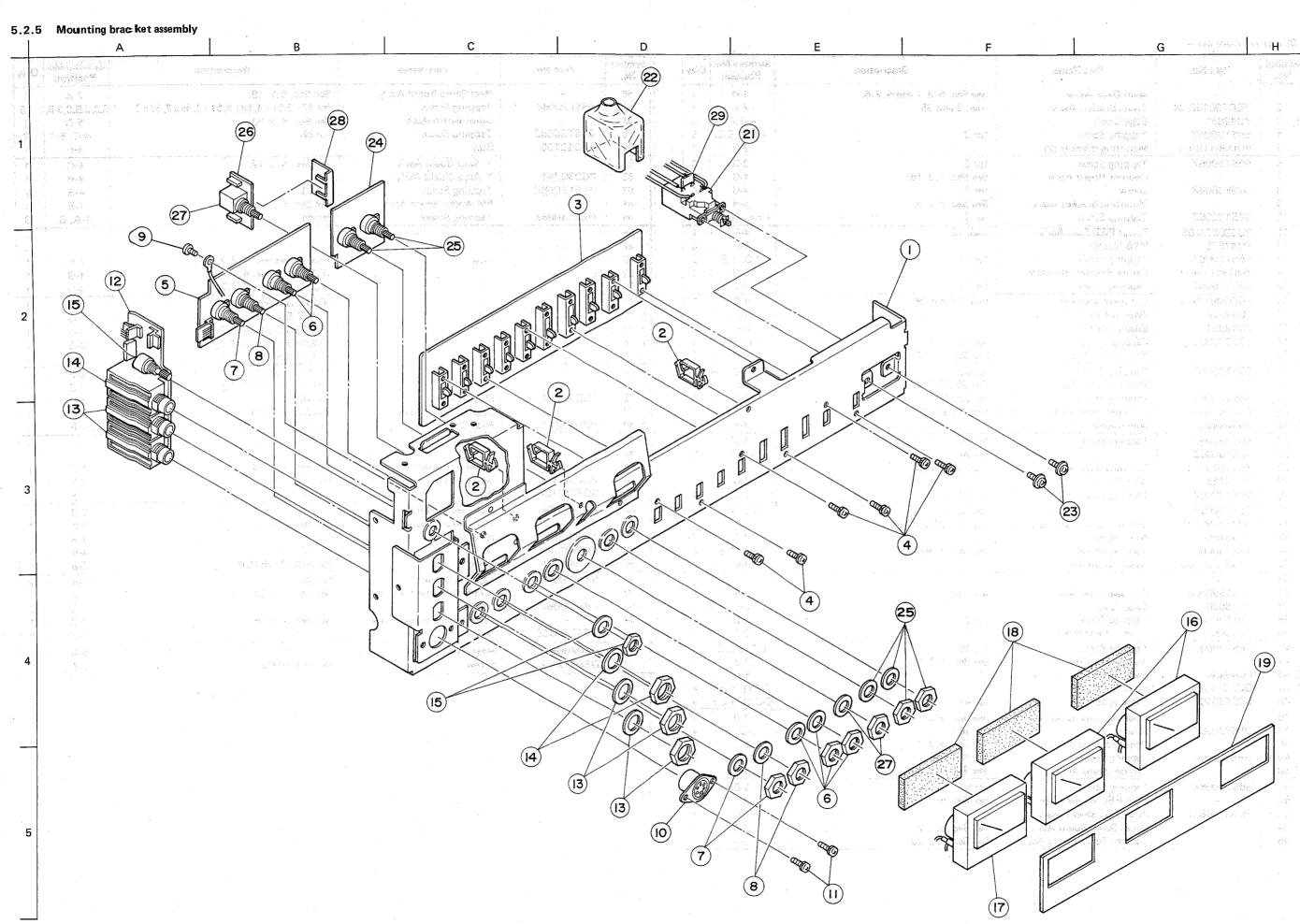
- Chassis assembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
1	_	Main Deck Ass'y	See Sec. 5.2.7 and 5.2.8.	4-D	1
2	PG 1D10015C-04	Front Bracket Ass'y	Incl. 3 and 35	4-E	1
<u>∧</u> 3	PU-49881	Edge Cover		4-E,F	2
4	SBST3006Z	Tapping Screw	for 2	4-E,F, 5-E	5
5	PG 1D30110-1-1	Mounting Bracket (2)		3-G	1
6	SBST3006Z	Tapping Screw	for 5	3-G	3
7	<u></u>	Counter Board Ass'y	See Sec. 6.2.16.	4-G	1
8	DPSP3008Z	Screw	for 7	4-G	4
9		Mounting Bracket Ass'y	See Sec. 5.2.5.	5-H	1.1
10	SB\$T3006Z	Tapping Screw	for 9	4-F,G, 5-E,F,G	
11	PU-33027A-06	Power PWB Stay Ass'y	Incl. 12	4-E	1
12	PU 47876	PWB Holder		3-F	2
13	SBST3006Z	Tapping Screw	for 11	3-D, 4-F	2
14	PG D30115A-1	Center Bracker (B) Ass'y		3-D	1
15	SBST3006Z	Tapping Screw	for 14	3-D	1
16	PG D20017A-2	L. Lower Stay Ass'y	Incl. 17 and 18	4-C	1
17	PU 47876	PWB Holder		5-B, C	6
<u></u> 18	PU 49881	Edge Cover		4-C	1
19	SBST3006Z	Tapping Screw	for 16	5-B, 5-E	3
20		Rear Frame Ass'y	See Sec. 5.2.6.	1-C	1
21	SBST3006Z	Tapping Screw		-C,D,F, 2-C,F, 3-	B 11
22		Mother Board Ass'y	See Sec. 6.2.22.	3-C	1
23	SBST3006Z	Tapping Screw	for 22	3-C	4
24	PU 21514B-4	L. Upper Stay Ass'y	Incl. 25 and 26	4-C	1
⚠ 25	PU 49485-2	Wire Clamp		3-B	1
26	SBST3006Z	Tapping Screw	for 25	3-B	1
27	SBST3006Z	, ,	for 24	4-C, E	2
28	PU 21586A-2	R. Upper Stay Ass'y	Incl. 29 and 30	2-G	1
⚠ 29	PU 49485	Wire Clamp		2-G	- ,1
30	SBST3006Z	Tapping Screw	for 29	2-G	1
31	SBST3006Z	n te	for 28	2-G, 3-F	2
32	PU21509C-10	Center Upper Stay Ass'y	Incl. 33, 34 and 60	3-F	1
33	PU 49485-2	Wire Clamp		3-E	2
34	SBST3006Z	Tapping Screw	for 33 x 2, 60 x 2	2-E,F, 3-E	4.
35	PU43172-9-50	Nylon Grommet		4-E	1
36	_	_		-	-
37	PU 21590A-6	R. Lower Stay Ass'y	Incl. 38	2-G	1
≙ 38	PU48086	Edge Cover	\$100 miles 100 m	2-F	1
39	SBST3006Z	Tapping Screw	for 37	2-G	2
1 ∆ 40	PGZ00014	Power Transformer	E ²	2-F	1
41	SBST3008Z	Tapping Screw	for 40	1-F, 2-E,G	4
42	_	Audio Board Ass'y	See Sec. 6.2.1.	3-B	1
△ 43	PU49485	Wire Clamp	180A	5-G	1 1
1 44	QZF2115-002	Foot		2-C,D, 5-E,I	
45	SBST3010Z	Tapping Screw	for 44	2-C,D, 5-E,I	F 4
46	-	Cassette Housing Ass'y	See Sec. 5.2.11.	2-D	1
47	DPSP3008Z	Screw	for 46	2-D, E	4
48		Regulator Board Ass'y	See Sec. 6.2.7.	3-F	1
49	GBST3008Z	Tapping Screw	for 48	3-F,G	2
50	14 <u> </u>	Syscon Board Ass'y	See Sec. 6.2.8.	5-D	1 1
51	SBST3008Z	Tapping Screw	for 50	5-E	2
52		PRE/REC Board Ass'y	See Sec. 6.2.9.	3-C	1-
53	PU33706B-2	PRE/REC Shield Ass'y		2-C	1
54	- ~ .	Drum Servo Board Ass'y	See Sec. 6.2.21.	2-B	1
55		Capstan Servo Board Ass'y	See Sec. 6.2.20.	2-A	1 1

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
56	-	Reel Servo Board Ass'y	See Sec. 6.2.19.	2-A	1
57	SBST3006Z	Tapping Screw	for 42 x 2, 52 x 4, 53 x 3, 54 x 2, 55 x 2, 56 x 2 1	-A,B, 2-B, C, 3-B,	C 15
58		Color Board Ass'y	See Sec. 6.2.10.	5-D	1
59	GBST3008Z	Tapping Screw	for 58	4-C, 5-C	2
60	PGD40100	Stay		3-F	1
61	-	Y Amp Board Ass'y	See Sec. 6.2.12.	4-C	1
62	PGD30364	Y Amp Shield Ass'y		4-B	1
63	GBST3008Z	Tapping Screw	for 61	4-B	2
64	(2) - -	FM Audio Board Ass'y	See Sec. 6.2.2.	4-B	1
65	GBST3008Z	Tapping Screw	for 64	4-A, B	3
66 67	_				<u> </u>
∆ 68	<u> </u>	Fuse	(F002) See Sec. 6.2.7.	2-F	1
△ 69		"	(F003) See Sec. 6.2.7.	3-G	1
1 70 1 1	-	"	(F004) See Sec. 6.2.7.	3-G	1
↑ 71	J. 3 <u>-</u> 7 4	"	(F005) See Sec. 6.2.7.	3-G	1
1 72		"	(F006) See Sec. 6.2.7.	2-G	1
△ 73		"	(F007) See Sec. 6.2.7.	3-G	1
1 74		* "	(F008) See Sec. 6.2.7.	3-G	1
<u> </u>	- 1 1	er e	(F009) See Sec. 6.2.7.	3-G	1
↑ 76	_	Structure Communication	(F010) See Sec. 6.2.7.	2-G	1
<u> </u>			(FO11) See Sec. 6.2.7.	3-G	1
78	PGD30156	Shield Plate	for 48	3-F	1
79	_	Display Board Ass'y	See Sec. 6.2.30.	4-G	1
₾ 80	PGD40211	Heat Sink	Incl. 83	1-F	1
81	-	and a supplied to the supplied		÷ -	_
82				T -	-
83		Power TR Board Ass'y	See Sec. 6.2.36.	1-F	1
84	PU41624-6	Isolat Washer	for 83	2-F	2
85	SDSP3012Z	Screw	for 80	1-F	2
86	PRD40479	Hour Meter Holder		5-B	1
87		Hour Meter Board	See Sec. 6.2.35.	5-B	1
88	PU44629	Hour Meter		4-B	1
89	DPSP3006Z	Screw	for 87	4-B	1
90	PGD40417	Sticker	for HOUR METER	5-B	1
91	SBST3008Z	Tapping Screw	for 86	5-B	2
92		Audio Sub Board Ass'y	See Sec. 6.2.37.	1-C	1
93	LPSP3008Z	Screw		1-C	2
94	_	Color Frame Board Ass'y	See Sec. 6.2.39.	1-G	1
95	GBST3008Z	Screw		1-G	. 2
96	PGD40684	Heat Sink		5-A	1
97	DPSP3008Z	Screw	for 2SB761PQ	5-B	1

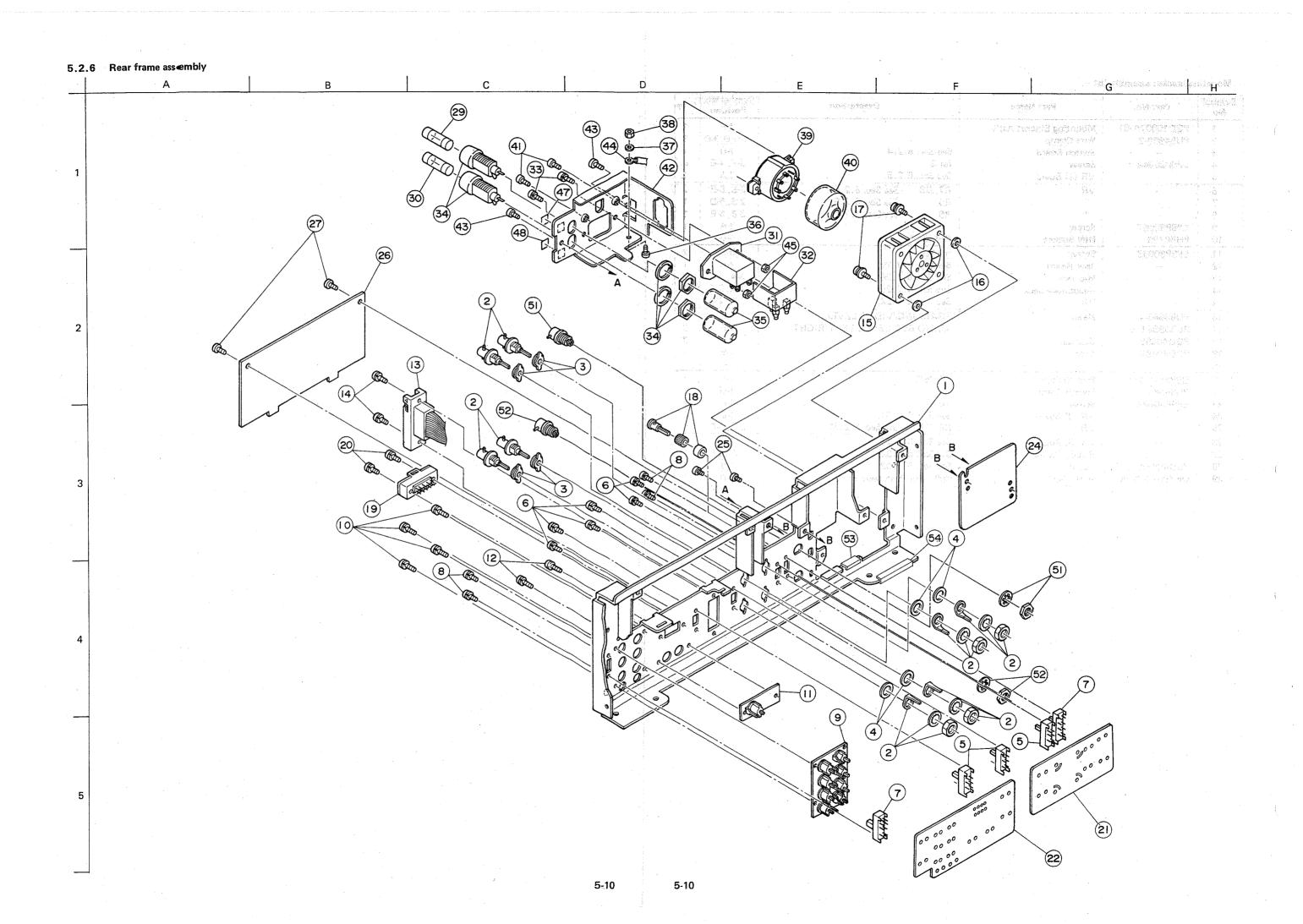
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- Mounting bracket assembly list -

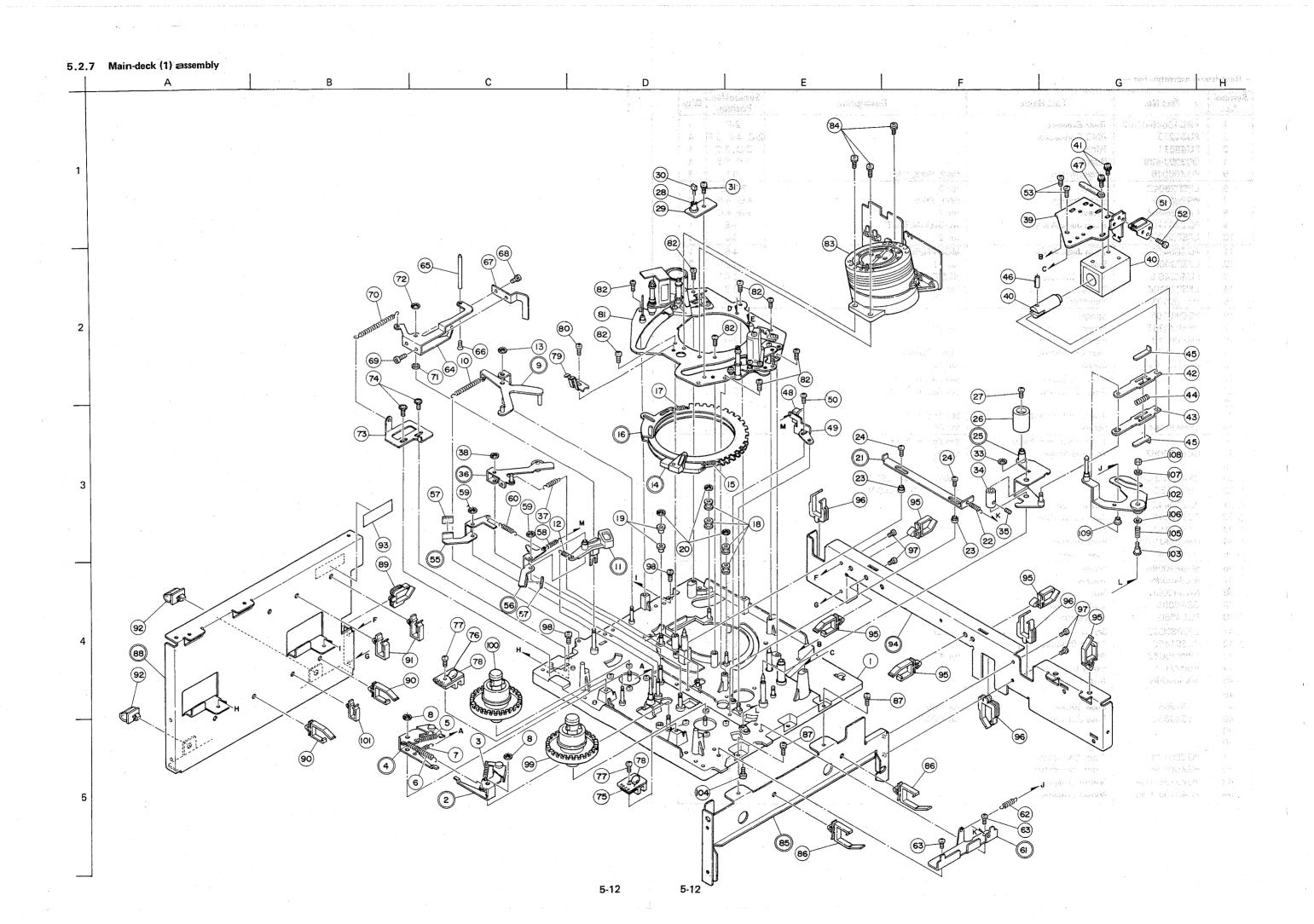
Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
1	PG 10007A-01	Mounting Bracket Ass'y	· · · · · · · · · · · · · · · · · · ·	2-F	1
2	PU \$54969-2	Wire Clamp		2-C,D,3-C	3
3	-	Switch Board	See Sec. 6.2.4	1-D	1
4	LPSP2604Z	Screw	for 3	3-F, 4-E	6
5		VR (1) Board	See Sec. 6.2.5.	2-A	1
6		VR	R7, R9 See Sec. 6.2.5.	2-B, 5-E	2
7	<u>. </u>	"	R5 See Sec. 6.2.5.	2-B, 5-D	1
8	_	"	R6 See Sec. 6.2.5.	2-B, 5-E	1
9	LP\$P3006Z	Screw		2-A	1
10	PU 50793	DIN Socket	REMOTE	5-D	1
11	LP\$P3006Z	Screw	for 10	5-E	2
12		Jack Board	See Sec. 6.2.29.	2-A	1
13		Mic Jack	See Sec. 6.2.29.	3-A, 5-D	2
14		Headphone Jack	See Sec. 6.2.29	2-A, 5-C	1
15	_	VR	See Sec. 6.2.29.	2-A, 4-C	<i>4</i> 1
16	PU 53866-4	Meter	TRACKING/VIDEO LEVEL	4-G	1
17	PU 53866-5-5	"	AUDIO REC LEVEL LEFT/RIGHT	5-F	2
18	PG D40056	Cushion		4-F	3
19	PR D40482	Sheet	·	4-H	1
20	_	_			
<u> </u>	QSP2111-011	Push Switch	POWER	1-E	1
⚠ 22	PL 54681	Switch Cover		1-D	1
23	LPSP3008Z	Screw	for 21	3-F	2
24	_	VR (2) Board	See Sec. 6.2.31.	1-B	1
25		VR	R8, R10 See Sec. 6.2.31.	2-C, 4-F	2
26	_	VR (3) Board	See Sec. 6.2.32.	1-B	1
27	_	Rotary Switch	See Sec. 6.2.32.	1-A, 5-E	1
28	PG D40419	Guard	See Sec. 6.2.32.	1-B	1
1	QF Z9022-223M	M.M. Cap	C001 (for Push Switch)	1-D	1



- Rear frame a ssembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
1	PR ID10015-01-02	Rear Bracket		2-F	1
2	PU 51213	BNC Connector		2-C, 4-F, 5-F	•
3	PU 48611	Ring	그 기가 가장 기가 있다.	2-D, 3-C	4
4	00 3093-439	Washer		3-F, 5-E	4
5	PG Z00016	Slide Switch	SW2, SW3, SW4	5-F	3
6	LPSP2604Z	Screw	for 5	3-C, D	6
7	PG Z00017	Slide Switch	SW1, SW5	4-G, 5-F	2
8	LPSP2604Z	Screw	for 7	3-D, 4-C	4
9	PG Z00413	8-pin Jack Ass'y	AUDIO IN/OUT	4-E	1
10	LPSP3006Z	Screw	for 9	3-B	4
	PG Z00414	1-pin Jack Ass'y	MONITOR OUT	4-E	1
11	LPSP3006Z	1. 2 3 3 3 4 5 C 2 C 2 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3	for 11	3-C	2
12			REMOTE	2-C	1
13	PU 44246-5	45-pin Connector	[2-0 2-B	2
14	LPSP2610Z	Screw	for 13	2-B 2-E	1
<u> </u>	PG Z00403	Fan Motor			
16	PG D40106	Spacer		2-F	2
17	DPSP3025Z	Screw	for 15	1-E	2
18	PG Z00110	Earth Terminal		2-D	1
19	PU 51214	Test Connector	TEST POINT	3-B	1
20	LPSP2310Z	Screw	for 19	3-B	2
21		Rear (1) Board	See Sec. 6.2.3.	5-G	1
22	_ ***	Rear (2) Board	See Sec. 6.2.25.	5-G	1
23	100 34	Tital (2) Board	300 3001 3.21.251		_
		Audio Sub Board Ass'y	See Sec. 6.2.37.	3-G	1
24	LDCD20007	Screw	for 24	3-E	2
25	LPSP3008Z				1
26		Junction Board Ass'y	See Sec. 6.2.11	2-B 1-B	2
27	GBST3008Z	Tapping Screw	for 26	11-D	_ <
28			F004 T0454 050 V	1.0	-
<u>∧</u> 29	QMF51E2-3R15	Fuse	F001, T3.15A, 250 V	1-C	1
∆ 30	QMF51E2-1R6	1	F002, T1.6 A, 250 V	1-C	1
↑ 31	PG Z00442	Noise Filter		1-E	1
⚠ 32	PG Z00018	Connector Cover		2-E	1
₫ 33	LPSP3010Z	Screw	for 31	1-C	2
∆ 34	QMG0301-003	Fuse Holder		1-C, 2-D	2
₫ 35	PU50316	Fuse Cover		2-E	2
<u> </u>	SDBP4008N	Screw	1000	1-E	1
1 30 1 37	WLS4000N	Washer .55		1-D	1
⚠ 38	NNB4000N	Nut A See		1-D	1
A 20	QSR0085-101	Voltage Selector		1-E	1
<u> </u>		V. Selector Cover	1.46	1-E	1
A 40	PU54680		for 20		2
<u> </u>	LPSP3008Z	Screw	for 39	1-C	
1 ∆ 42	PU55145C-1	Power Bracket Ass'y		1-D	1
43	LPSP3008Z	Screw	for 42	1-C, D	2
1 44	A50221-2	Earth Lug		1-D	1
1 ∆ 45	NNS3000N	Nut		1-E	2
46	_	Total and the House		1	-
47	PU54965	Fuse Sticker	for F001	1.C	1
48	PU54965-2	Fuse Sticker	for F002	1-C	1
49	_				12.7 m
50				_	
51	PGZ00173	7-pin Connector	- A - A - E	2-C, 4-G	1
52	PGZ00173	7-pin Connector		3-C, 4-G	1
1	J.	Nylon Edgging		3-E	1
53	PU43135-1-65	Nylon Edgging Nylon Edgging		3-F	1
54	PU43135-1-80	Nyton ⊑ugging		J-1	

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- Main-deck (1) assembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
1	PU21159B-04	Main-Deck Ass'y		4-E	1
2	PU 5 0535B	TU Bracket Ass'y	Incl. 3	5-C	1
3	PU ₽ M30001-47	Spring		5-C	1
4	PU 50535A	SUP Brake Ass'y	Incl. 5 to 7	5-B	1
5	PU M30001-47	Spring		5-C	1
6	PUIM30001-46	"		5-C	1
7	PU 1/30001-7	"		5-C	1
8	RE E3000	E-Washer		4-C, 5-C	2
9	PU 50545A-5	Cancel Lever Ass'y	Incl. 10	2-C	1
10	PU M30001-32	Spring		2-C	1
11	PU 50547A	B. Tension Lever Ass'y	Incl. 12	4-D	1
12	PU M30001-6	Spring		3-C	1
13	RE E3000	E-Washer	Care and the care	2-C	1
14	PU 48838D	TU Drive Ring Ass'y	Incl. 15	3-D	1
15	PU 35005-81	Spring		3-E	1
16	PU 48837B	SUP Drive Ring Ass'y	Incl. 17	3-D	1
17	PU 35005-81	Spring		2-D	1
18	PU 48711	Pulley		3-E	4
19	PU 50758	n ·		3-D	2
20	RE E3000	E-Washer		3-D	3
21	PR D40002A-2	Slide Bar Ass'y	Incl. 22	3-F	1
22	PG D30003-2	Spring	The state of the s	3-F	1
23	PU M30013	Flange		3-E,F	2
24	SD ST3006ZS	Tapping Screw	for 21	3-E,F	2
25	PR D40042A-2	Pinch Roller Arm Ass'y	Incl. 26 and 27	3-F	1
26	PQ40137A	Pinch Roller Ass'y	resident of the second of the	3-E	1
27	LPSP2604Z	Screw	for 26	2-F	1
28		LED Holder	See Sec. 6.2.15.	1-D	1
29	_	LED Board	See Sec. 6.2.15.	1-D	1
30	_	LED	See Sec. 6.2.15.	1-D	1
31	LPSP3004Z	Screw	for 28	1-E	1
32		-	A STATE OF THE STA		
33	REE2500	E-Washer		3-F	1
34	PR D40037	Stop Ring		3-F	1
35	YFS3003S	Set Screw	for 34	3-F	1
36	PR D40005A	F.R. Arm Ass'y	Incl. 37	3-C	1
37	PUM30001-15	Spring	And they begin the	3-C	1
38	REE3000	E-Washer		3-C	1
39	PU32857-1-2	Solenoid Bracket		1-F	1
A 40	PGZ00093	Solenoid	(PINCH ROLLER)	2-F, G	1
41	DPSP3005ZS	Screw	for 40	1-G	2
41	PU50564	Solenoid Lever (1)		2-G	1
43	PU50565	" (2)		3-G	1
44	PUM30002-8	Spring		2-G	1
45	PU47327	Spacer		2-G, 3-G	2
	PRE3008	Spring Pin		2-F	1
46 47	PU49485-4	Wire Clamp		1-G	1
47		Pick Out Det. Board	See Sec. 6.2.34.	2-E	
48	PRD40007-1-1	Bracket	333 333, 3,2-3	3-E	1
50	SBST3006ZS	Tapping Screw		2-E	1
		Dew Sensor		1-G	1
51	PU50570	Screw Sensor	for 51	1-G	1
52	LPSP3006ZS	Tapping Screw	for 39	1-G	2
53	SBST3006ZS	rapping ociew	101 33	- 1-1	
54 55	PRD40008A	Brake Arm (1) Ass'y	Incl. 57 and 58	3-C	1
55	TIDTOUOM	Didic Aili (1/ Ass y	11131, 37 4114 00	3-0	1 2

Symbol Part No.		Part Name	Description	Symbol No. Position	Q'ty
56	PRD40011A-1	Brake Arm (2) Ass'y	Incl. 57 and 60	4-C	1
57	PRD40010	Pad		3-C, 4-C	2
58	PUM30001-104	Spring		3-C	1
59	REE3000	E-Washer		3-C	2
60	PRD30024-3	Spring		3-C	1
61	PRD40022A-2	C. Holder Ass'y	Incl. 62	5-F	1
62	PUM30001-44	Spring		5-F	1
63	SBST3008ZS	Tapping Screw		5-F	2
64	PU50581-1-2	Tension Arm		2-C	1
65	PU44852-2	Tension Pole		2-C	1
66	SSSP2605Z	Screw	for 65	2-C	1
67	PU50582	Lever		2-C	1
68	LPSP3006ZS	Screw	for 67	2-C	1
69	BYS3006FS	S. Bolt		2-B	1
70	PUM30001-49	Spring	i de la companya de l	2-B	1
71	Q03093-830	Washer		2-C	1
72	REE1500	E-Washer		2-B	1
73	PRD40004	Adjust Lever		3-B	1
73	NPSP3008ZY	Screw	for 73	2-B	2
75	- NI 31 30002 1	TU Photo Interrupter Ass'y	See Sec. 6.2.27.	5-D	1
76		SUP Photo Interrupter Ass'y	See Sec. 6.2.28.	4-C	1
	CDCTOOOTC			4-C, 5-D	2
77	SBST3008ZS	Tapping Screw	for 75 x 1, 76 x 1	4-C, 5-D	2
78		C. Capacitor	C1 See Sec. 6.2.27 and 6.2.28.	2-C	1
79	PRD40300	Earth Plate	for 79	2-C	1 1
80	SBST3008ZY	Tapping Screw			+
81		Sub-Deck Ass'y	See Sec. 5.2.9.	2-D	1
82	SBST3008Z	Tapping Screw	for 81	1-D, 2-D,E	t .
83	- !	Drum Ass'y	See Sec. 5.2.10.	1-E	1
84	LPSP3010Z	Screw		1-E	3
85	PGD20014A	Center Lower Stay Ass'y	Incl. 86	5-E	1
<u></u>	PU54969	Wire Clamp	i '	5-E, F	2
87	LPSP3008Z	Screw		4-F, 5-E	2
88	PGD20015B	L. Bracket Ass'y	Incl. 89 to 92 and 101	4-A	1
<u></u>	PU49881	Edge Cover		4-B	1
⚠ 90	PU54969-2	Wire Clamp		4-B, 5-B	2
91	PU48016	Mini Clamp		4-B	2
92	PU47876	PWB Holder		4-A	2
93	PU42091	No. Plate		3-B	1
94	PGD20016A-3	Center Bracket (A) Ass'y	Incl. 95 and 96	4-F	1
⚠ 95	PU54969-2	Wire Clamp		3-F, 4-E,F,0	
₫ 96	PU49881	Edge Cover		3-E, 4-G, 5-I	
97	SBST3006Z	Tapping Screw	for 94	3-F, 4-G	4
98	LPSP3008Z	Screw	for 88	4-C, D	2
99	PGZ00094A-1	TU Reel Disk Ass'y	13 	5-C	1
100	PGZ00095A-1	SUP Reel Disk Ass'y		4-C	1
101	PU48016-2	Mini Clamp		5-B	1
102	PGD40113B-2	Tape Guide Arm Ass'y		3-G	1
103	PGD40115-01-01	Stud		3-G	1
104	LPSP2608Z	Screw	for 103	5-D	1
105	PRD30023-8	Spring		3-G	1
106	Q03093-819	Washer		3-G	1
107	Q03093-826	waste.		3-G	1
	200000-020	1		1	
107	PU49276	Nylon Nut		3-G	1 1

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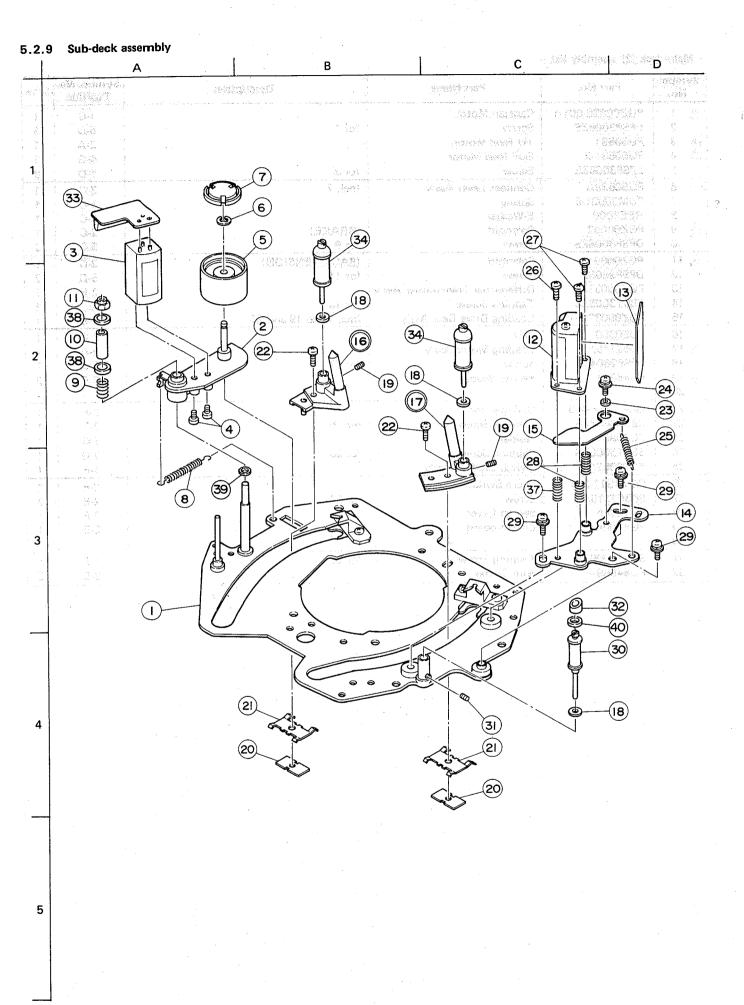
5,2.8 Main-deck (2) assembly G С no diser **以图**[1865] Amen This off 1987 or many series YEAR MEDICAL ME NO BURE TELLS The British Satis TENTON ် ပ CENTRY WAS THE BROKE ARTY Adf Billion 1 TI-MANAZANIS na nakem ji TO SHE THE PARTY OF THE क्ष्मानकृति 1-10988MIN ราการสี จากเล่นที่ PUR WILLIAM 3-ASEMBLE ST HOWENER gring? 3-102027603 各种的技术方式 43466666 9 27 (14) Star Basic Web Y te kresH verso principal. Dew Sagerer 2 September 1 d State i Been जनवर्षः विभववर्षः 324 11 45 A. Sheri.

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- Main-deck (2) assembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
<u> 1</u>	PGZ00026-001-1	Capstan Motor		1-C	1
2	LPSP3008ZS	Screw	for 1	5-D	3
<u></u>	PU50531	TU Reel Motor		2-A	1
	PU50531-2	SUP Reel Motor	·	4-G	1
5	LPSP3006ZS	Screw	for 3	5-D	8
6	PU50538A	Connect Lever Ass'y	Incl. 7	3-C	1
7	PUM30001-6	Spring		3-C	1
, 8	RE E3000	E-Washer		2-C	1
⚠ 9	PGZ00092	Solenoid	(BRAKE)	2-C	1
10	DPSP3008ZS	Screw	for 9	5-C	2
<u> </u>	PG Z00091	Solenoid	(BACK TENSION)	2-D	1
12	DPSP2608Z	Screw	for 11	5-D	2
13	PGZ00031	Differential Transformer Ass'y		2-F	1
14	SBST3006ZS	Tapping Screw	for 13	3-E, F	2
15	PGZ00032A-1	Loading Drive Gear Ass'y	Incl. 16 to 19 and 21	2-G	1
16	PU50350	Belt		3-F	1
⚠ 17	PU52745A	Loading Motor Ass'y		2-F	1
18	LPSP2604Z	Screw	for 17	3-G	2
19 1	PU45811	Ferrite Beads		2-F	2
20		<u> </u>			_
⚠ 21	QCF11HP-473	C. Capacitor		2-F	1
22	SBST3006ZS	Tapping Screw	for 15	3-F	1
23	PU43981	Holder		2-G	1
24	SBST3006ZS	Tapping Screw	for 23	2-G	1
25	PU48952A-3	Switch Bracket Ass'y		1-F	1
26	QSM1S11-211	Micro Switch	(1. Xi.xi	2-E	2
27	SPBP2316N	Screw	for 26	2-E	2
28	PU48955	Switch Lever		2-F	1
29	PG E40069-1-1	Circuit board		2-E	1
30	* -	<u> </u>		_	_
31	SBST3006ZS	Tapping Screw	for 25	1-F	1
32	PU54969-2	Wire Clamp	A STATE OF THE STA	2-E	2



- Sub-deck assembly list -

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
1	PUS46309C	Sub-deck Sub Ass'y		3-A	1
2	PR D40087A	Erase Head Arm Sub Ass'y		2-B	1
3	PU54397	Full Erase Head		1-A	1
4	SSSP2005Z	Screw		2-A	2
5	PU51203A	Roller Ass'y		1-B	1
6	REE1500	E-Washer		1-B	1
7	PU51204	Thrust Cap		1-B	1
8	PUM30001-13	Spring		3-A	. 1
9	PU30080-69	"	I the same of the	√, 2-A	1
10	PU53826	Guide Pole		2-A	1
11	PU49276	Nylon Nut		2-A	1
. 12	PGZ00271	A/C Head Ass'y		2-C	1
13	_	A/C Head Board	See Sec. 6.2.33.	2-D	1
14	PRD40019A	Head Base Sub Ass'y		3-D	1
15	PR D40021	Guide Plate	Stage States and State	2-C	1
16	PQ40171A-1	SUP Pole Base Ass'y	Incl. 19	2-B	1
17	PQ40172A-1	TU Pole Base Ass'y	Incl. 19	2-B	1
18	PU48806-3	Rubber Tire	for 30 x 1, 34 x 2	2-B, 4-D	3
19	YFS3002.5FS	Set Screw	for 16 x 1, 17 x 1	2-B, C	2
20	PU51638	Plate		4-B, C	2
21	PU51299	Spring Plate		4-B, C	2
22	SPSP2606Z	Screw	for 16 x 1, 17 x 1	2-B	2
23	PUM30005-12	Collar		2-D	1
. 24	DPSP3006Z	Screw	for 23	2-D	1
25	PUM30001-19	Spring	and the second of the second o	2-D	1
26	SPSP2610Z	Screw	for 12	2-C	1
27	SPSP2608Z		for 12	1-C	2
28	PU30080-49	Spring		3-C	2
29	DPSP3006Z	Screw	for 14	3-C, D	3
30	PRD40027A	TU Tape Guide Roller Ass'y		4-D	1
31	YFS3002.5S	Set Screw	for 30	4-C	1
32	PRD40030	Сар		3-D	1
33		Full Erase Head Board	See Sec. 6.2.6.	1-A	1
34	PU48748B	Guide Roller Ass'y		1, 2-B	2
35	<u>. – 1</u>	<u> </u>		· -	_
36		**************************************			
37	PGD30004-5	Spring		3-C	1
38	PU51294	Guide Flange	Maria de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de	2-A	2
39	Q03093-819	Washer	The same	3-A	1
40	Q03093-817	n		3-D	1

Drum assembly list –

Symbol No.	Part No.	Part Name	Description	Symbol No. Position	Q'ty
<u>^</u> 1	PRD20022C	Upper Drum Ass'y		2-A	1
2	NDBP2608NY	Screw	for 1	1-A	2
∆ 3	PRD 20003D	Lower Drum Motor Ass'y	Incl. 4 to 17	2-A, 3-C	1
4	PU56202-3	Heater	or PU56202	2-B	1
5	SDBP2603NT	Screw	for 4	2-B	2
6	PGD20029	Drum Base		4-A	1
7	SPSP2608ZY	Screw	for 6	5-A	3
8	SDSP2606ZY	" " " " " " " " " " " " " " " " " " "	for 3	3-D	2
9	PU34473A	Drum FG Board Ass'y		3-A	1
10	SPSH1722Z	Screw	for 9	3-A, B	2
11	PQ40352A-2	Pick-up Head Ass'y	or PQ40352D	3-B	1
12	SPSH1735Z	Screw	for 11	3-B	1
13	PQ41596A	Commutator Ass'y		3-A	1
14	PGZ00137-2	Brush Ass'y	100 mm	- 3-B	1
15	LPSP2003ZY	Screw	for 14	3-B	1
16		V & FM A Head Board Ass'y	See Sec. 6.2.18.	2-C	1
17	DPSP3006Z	Screw		2-C	2

- Cassette housing assembly list -

Symbol No.	Part No.	Part Name	Description	No. por	Symbol No. Position	Q'ty
S 1	PRD30126A-02	R. Guide Stay Assembly	Description Committee	表征	2-C	1
2	PRD30125A	L. Guide Stay Assembly	Process of the Control of the Contro	£ 733	2-B	ੋ 1
3	PQ40059	Gear (1)	gestall .	3947-1409	2-A, 3-B	- 2
4	PRD40270	" (2) A Company (2)	professional and recognished belong to the	E. Far	2-B	2
5	PRD40532	Switch Cover	the state of the s	GRY IG	2-A	2.1
6	SBSE2608ZY	Screw 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	for 5	GF-841	2-A	- 2
7	PQ40061	Double Cap	त्याच्याच्या व्यवस्थाति स्ति ।	(A)	2-B	ં ે 2
8	PQ40102A-1	Door Guide Assembly	, Incl. 9 Assall to test at a	J. J.	2-C	J5 1
9	PUM30001-111	Spring	THE PROPERTY OF THE PARTY OF TH	Print.		≥ 1
10	PQ40063	Guide Lever	the state of the s	- 524 \$		<u> </u>
11	PRD40119A-1	Connect Gear Assembly		(5)	3-A	2 1
12	PUM30017-11	Washer	more than the second of the se	50		1 1
13	PRD40118	Cam Gear (2)	FBY GA	à sulles	3-C 4-C	346 1 22 1
14	PRD30124	Main Gear		6	4-0	30
15	DDD 40507		3.545.00 (Texture 1.50)	Andrew Commencer	3-C	1
16	PRD40527	Worm Wheel Clutch Gear Assembly	1 www.18 in	G## *******		1
17	PRD40529A	Clutch Gear Assembly Clutch Disk	Harting (A)	7.500	3-C, 3-D	2
18 19	PRD40534 PRD49535	Spring Hold Plate		92 (20) - 1948		1
20	PRD49535	Pad	the state of the second se	200	3-C, 3-D	2
	PRD40537	Compression Spring		r. r	3-D	1
21 22	REE6000	E-Washer			3-D	1
22	PRD40533	Gear Bracket			4-D	1
23	SBSE2608ZY	Screw	for 23		3-D, 4-D	3
<u> </u>	PQ40090A	Motor Assembly	101 20		4-C	1
26	PRD40291	Worm Assembly	Activities of a following foreign Co.	561	3-C	<u>1</u>
27	FND40291	WOTH ASSEMBLY CO. S. C. C. C.	per and the common environment is a major common to a major of the common environment and the common e			. ^ <u>-</u>
28	Q03093-838	Washer			2-C, 3-C	2
29	PUM30017	Slit Washer			2-C	1.
30	SPSP2604ZY	Screw	for 25		2-C	2
31	PQ40074	Upper Door Opener		······································	3-C	1
32	PQ40075-1-5	Lower Door Opener			3-C	1
33	PQ40076-2	Hold Lever			4-B	1
34	REE2500X	E-Washer			4-C	1
35	PU51259-3	Leaf Switch	(REC SAFETY)		2-A	1
36	PU55377-2	End Switch	(HOUSING UP/DOWN DET) or F	U55377-1	i-1 3-C	1
37	SPSP2010ZY	Screw	for 35		2-A	1
38	SBSE2608ZY	<i>"</i>	for 36		3-C	1
39		Cassette Housing Board	See Sec. 6.2.18.		3-C	1
40	_	End Sensor Board	See Sec. 6.2.13.		1-A	1
41	-	Photo Transistor	See Sec. 6.2.13 and 6.2.18.		2-A, 3-C	2
42	PU48973-3	Stopper			1-A, 3-D	3
43	PRD30123A	Cassette Holder Assembly			4-B	1
44	PRD30122-01-01	Switch Lever			3-A, 5-C	2
45	PRD40539	Torsion Spring (L)			4-A	1
46	PRD40540	" (R)			5-C	1
47	PUM30017	Slit Washer	11 40		3-A, 5-D	2
48	PQ40106B-1	R. Side Plate Assembly	Incl. 49		5-C	1
49	PUM30001-210	Spring	Incl. 51		5-C 5-B	1
50	PQ40107B-2	L. Side Plate Assembly	Incl. 51		<u> </u>	
51	PUM30001-210	Spring			5-B	1
52	PQ10009-1-4	R. Bracket			5-C 4-A	1
53	PQ10009-2-3	L. Bracket	for 52 x 1, 53 x 1		4-A 4-A, 5-C	2
54	SPSP2003ZY	Screw Reinforcement	101 02 X 1, 05 X 1		4-A, 5-C 4-B	1
55	PQ30032-1-3	Reminitement	<u> </u>		4-0	<u>'</u>

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A STATE SHOW SHOW

Symbol No.	Part No.	Part Name	Description	44 (48) 201 (41)	Symbol No. Position	Q'ty
56	PGD40204	Tephron Sheet			4-B	2
57	PQ40108B-3	R. Lock Lever Assembly	Incl. 58 and 61	20,000	5-C	1
58	PUM30001-110	Spring	\$10 ms 160 ms	4.1	⇒ 5-C	1
59	PQ40109B-3	L. Lock Lever Assembly	Incl. 60 and 61	salve.	4-A	- 1
60	PUM30001-110	Spring	general cash god	4.50	4-A	1
61	PUM30019-10	" E 101	for 57 x 1, 59 x 1	N 5646	3-A, 5-C	2
62	PQ40081A	R. Switch Lever	i and straigh	γ.	5-C	1
63	PQ40081B	L. Switch Lever	The state of the contract of t	. j. 4. 1913.da	4-A	1
64	PQ40083-1-5	Lid Opener	gerio).	161 504	4-C	1
65	PQ40084-1-2	Torsion Spring	लक्ष्मकर्मा । अक्षरीयक्षेत्रको ।	. 9	4-C	1 1
66	PGZ00503	R. Insert Switch	(CASS: IN DET.)	1 (4)	5-C	1
67	PGZ00502	L. Insert Switch	(CASS. IN DET.)	3000	4-A	1
68	SPSK1705M	Screw	for 66 x 1, 67 x 155 1500 1500 1	Şs.	4-A, 5-C	2
69	PQ40086	Roller	্যান্তর্ভার বিভাগের	44.	2-B	4
70	PQ40087-2	Mini Roller			2-A, 3-B	2
71	PRD20034	Roof Plate	substitution products	1/4	1-B	1
72	SBSE2608ZY	Screw	for 71 eMoseph and made	A400	1-B, 1-C	4
1 73	PQ40299	Wire Cap	Analy Charles	247	2-A	1
△ 74	QXT329H-035	UL Tube	en per e en personal de la regional	24. 1	2-A	≅ 1
75	PRD40101	Wire Guard	4.274 1	94. J	2-A	1
76			spite of community streets		New Jan	_
77	`(\ 4, —	<u> </u>	1870 PRO 1870 - 1	4.50	Harry Harry	-
78	, i di	_		Š, čas	Armir M ir	_
∴ 79		<u> </u>	vera colli	1.40	44.043 42	× -
80	3-8	<u> </u>	el Conferment i i i i i i i i i i i i i i i i i i i	refiles	410 × 1 <u>~</u>	(). —
81	PGS20108C	Cassette Housing Assembly	Incl. 1 to 26 and 28 to 75	- 0.1	146945	1

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SECTION 6 ELECTRICAL PARTS LIST

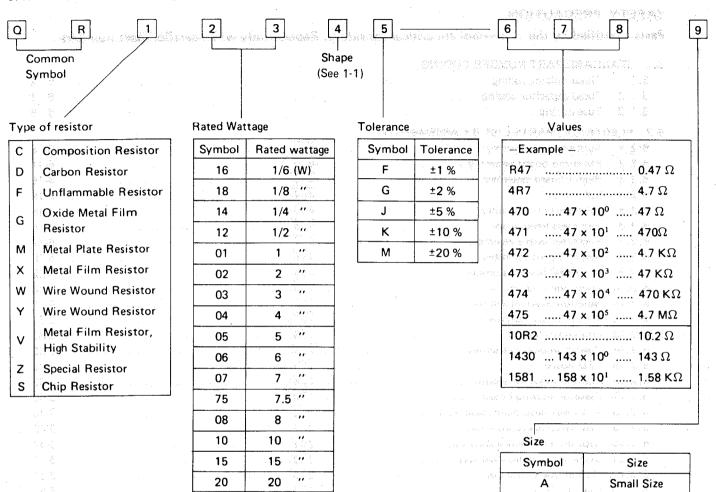
SAFETY PRECAUTION

Parts identified by the $\, \triangle \,$ symbol are critical for safety. Replace only with specified part numbers.

6 1 STA	NDARD PART NUMBER CODING	3	en e		(\$\$\$\$\fac{1}{2}\$
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6.1.2	Fuse coding				
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	Display board assembly				
	VR board (2) assembly				
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6.2.37	Audio sub board assembly	أواسا	4 2		6-53
	C/F sub board assembly		سنبا س		6-53
	Color frame servo board assembly				6-53
Carrier Control Control Control	ONS IN THIS LIST ARE AS FOL		7 T	selectricing species	4.5
	Il resistance values are in ohms (Ω) :		S - All capacitance values are in ,	μΕ unless otherw	vise indicated.
化油油 化二十二四烷二甲二二甲烷二甲二二甲烷二甲二甲二甲二甲二甲二甲二甲二甲二甲二甲二甲二甲二	1 000	P	: μμF	PS Cap :	Polystyrol Capacitor
	1 000 000	C Cap	: Ceramic Capacitor	T Cap :	Tantalum Capacitor
	Carbon Resistor	E Cap	: Electrolytic Capacitor	TR Cap :	Trimmer Capacitor
	Composition Resistor	FM Cap	: Film Mica Capacitor	LL Cap :	Low Leak Current
	Wire Wound Resistor	MM Cap		TE Con	Electrolytic Capacitor
	Oxide Metal Film Resistor Variable Resistor (Potentiometer)	MP Cap MY Cap	: Metalized Paper Capacitor: Mylar Capacitor	TF Cap :	Thin Film Capacitor
1.11	Metal Film Resistor	NP Cap	: Non-polar Capacitor		
****	Fusible Resistor	PC Cap	: Polycarbonate Capacitor		
	Precision Metal Film Resistor	PP Cap	: Poly Pro Capacitor		6-1

6.1 STANDARD PART NUMBER CODING

6.1.1 Fixed Resistor Coding



1-1) Shape of resistor (Flame retardant resistor)

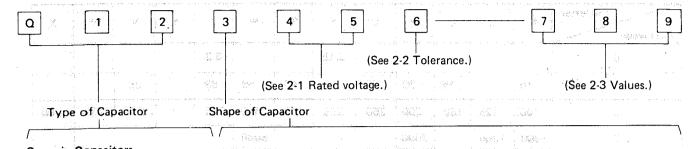
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3		Ų	Ę.	Property of the Control of the Contr			last sibres on Lester se,	1	
4			k□λ	\$ 1 k \$ 2 k \$ 2 k	귯			. 04g. 1 1 C	
5					F	L type	penaka 1 Jud sedi <mark>Çeliyi</mark> bes		For a second
6	Bussian in Equation	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	taya, Vaganisas ./-		elektrik () Terres errek (skr. 1	Resin Covered	ide <u>di</u> ebak Karangan	l	ed of <mark>Prophity o</mark>
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			1597, 3040	COMPACTOR	34 SC 1831		रका र मूह ⁴⁴	· 3 海外縣	11 Nav

S

Small Size

6.1.2 Fixed Capacitor Coding



Ceramic Capacitors

Symbol	Type of Capacitor	Disk Lead	Kink Lead	-000-	٢٥٠٠	
QCC	Ceramic		great to the tray to great the second	4	5	
QCF	"	1	3		, , , , , , , , , , , , , , , , , , , ,	A STATE OF STATE
QCS	de a maria de de la compansión de la compa	1 He 1	(g) ,3 ,51 ,5	4.5		
QCT	Temperature compensation					
QCX	Special			1	3	
QCY	Ceramic	1,4	3			8
QCZ	Special					

Electrolytic Capacitors

		Tubular	Mono-direction	Anti-stress	Forming	Snap-in
Symbol	Type of Capacitor			Tvi side Q vi i test	Asa D	
QEA	Characteristic A	2	4	and the second	r state	
QEB	Low Leakage		4	5	6	žv.; ·
QED	Characteristic D	2	4		35 N	13 f
QEE	Tantalum		4	5		
QEE	" (small type)		8			
QEK	Characteristic W (subminiature type)		4	. 5		
QEL	Characteristic L					7
QEN	Non-polar	2	4	5 _	6	
QET	Characteristic W (small type)	2	4	5	6	
QEW	Characterisitc W	2	4	5	6	7
QEZ	Special		·		i i	

Paper Film Capacitors

			Nor	mal	Flame re	etardant	
		Tubular	Mono-direction	Kink Lead	Mono-direction	Kink Lead	
Symbol	Type of Capacitor		D.	뮤뮤뮤	· 🛱	다 - 규	
QFF	Film mica		4				
QFH	Metalized mylar	2	4	3	5	6	
QFM	Mylar	2	4	. 3,7	5	6	
QFN	" (small type)		4				
QFP	Polypropylene		4	3			
QFS	Polystyrole	2	4	3			
QFZ	Special						

2-1) Rated voltage (V)

2nd letter First letter	A	B	С	D	E	* F			j.	K	٧	, second of	X
0		·	, eggiven (s.)	1999 E. V.	market feet o	3.15	,		6.3				
1. grope 1 1. 1. 1. 2021	10		16	20	25	na badsi	40	୍ 50	63		35		
2	100	125	160	200	250	315	400	500	630		350	450	600
3	1000	1250		2000				5000					

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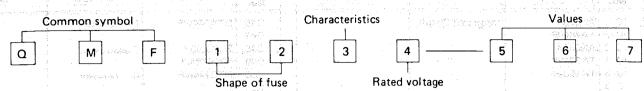
2-2) Tolerance

Symbol	F	G	n: J	κ	M	N .	Z	P	Α	н	Ř
(%)	± 1	± 2	±5	± 10	± 20	± 30	+ 80 - 20	+ 100 - 0	+ 100 - 10		+ 30 - 10

2-3) Values

	Example	_	Valu	es are	e in picofarads.
1	01	10 x	101		100 pF 22×+1, 13444
1	02	10 x	10²		1,000 pF = 0.001 μ F
1	03	10 x	10³		$10,000^{\circ} pF = 0.01^{\circ} \mu F^{\circ}$
1	04	10 x	10 ⁴		100,000 pF = $0.1 \mu F$
5	R0	5.0)		5 pF

6.1.3 Fuse Coding



Shape of Fuse (first and second digit)

Symbol No.	Shape	Remarks
51		φ 5.2 × 20 mm
60		φ 6.4 x 30 mm
61	<u> </u>	φ 6.35 x 31.8 mm
63		With 60 Lead Wire
66		With 61 Lead Wire

Rated Voltage (fourth digit)

Symbol No.	Rated	Voltage			
1	AC 1	25 V			
2	AC 250 V				
3	100 mA	AC 250 V			
3	1.25 A	AC125 V			

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Andrew Sends Supposed (\$155)

Value (fifth - seventh digit)

- Example -	
\$ Production of	
R10 100 mA	
R125 125 mA	
1R0 1.0 A	
1R2 1.2 A	
1R25 1.25 A	
100 10 A	47.5

Characteristics (third digit)

Symbol No.	Fusing Current	Fusing Time	Remarks	of the	
	160%	Within 1 hr.	1000 1000 1000 1000	11.50	
S	200%	2 min.	Anti-rush Type	50-040	
	700% – 2000%	" 0.01 sec.			
	160%	″ 1 hr.	David Santia	- Marin	
, R	200%	" 2 min.	Regular Fusible Type	an againe e de Earlichean	
	135%	*** 1 hr.		1	
M	200%	"" 2 min.	Regular Fusible Type (for UL)		
	135%	∜″ 1 hr.			
U	200%	2 min.	Anti-rush Type (for UL)		
	800% - 2000%	" 0.01 sec.		i da al ca	
	210%	⁸⁹ 2 min.		1	
	275%	0.5 - 10 sec.	hytaunin a		
Α	400%	0.15 - 2 sec.	Anti-rush Type (for Europe)	Variation (
	1000%	0.02 - 0.3 sec.	cy fiveral as till	par and in the second	
	210%	Within 30 min.		1	
В	275%	0.05 - 2 sec.	Regular Fusible Type		
	400%	0.01 - 0.3 sec.	(for SEMKO, Europe)		
	135%	Within Ihr.	Anti ruch Tuno (for III Ia)	1	
С	200%	" 2 min.	Anti-rush Type (for UL, Japan)		

6.2 ELECTRICAL PARTS LIST BY ASSEMBLIES

6.2.1 Audio board assembly 0 1 PGE20086B-02

Symbol	Part No.	Part Name	Description		Symbol No.	Part No.	Part Name	Description
No.	AN6394	Integrated Circuit	an jeggardentes, martild	†	Q46	DTA144WF	D. Transistor	A
IC 2	TA7629P	"			Q47	"	"	
IC 3	AN6394				Q48	2SC2655Y	Transistor	
IC 4	TA7629P	" "		:	Q49	2SD973AR		4 t T
fC 5	TK15021		: 6		Q50	DTC144WF	D. Transistor	ı
IC 6	<u> </u>	_ 5080 (0	81 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	-	Q51	50% <i>,,</i>	",	
IC 7	M5218P	Integrated Circuit	y or trappy of the		Q52 Q53	DTA124EF	Transistar	nagastik)
IC 8	t greature with a comment	and the second	en njaran		Q54	2SD639R,S	Transistor "	
	29870	eV sastaP 📑 agV.	3,634 P.		Q55		soft _off le	Jack Comments
	Maria de la compansión		A second		Q56	e, a e constante de la compansión de la co		er en en en
	V 4	PART OF AN ARCHITECTURE			Q57	2SB643R	Transistor	
		988 04			Q58	2SD639 RS	Comment of the commen	
-	as expendences	y to the day by bear	A	1	Q59	" Haraga sa	"	
	. v 688 1	i.			25 M CT			
		8.3				Topped to the		
	grade to the	2.7	1					
	2.600	27 (m. n.		:	the section of	[76,4 s. i] [77]		:
		8. 7. 1		1.				
Q 1	2SC2878AB	Transistor		1	D 1	1SS133	Diode	•
0.2	DTC144WF	D. Transistor	A STATE OF THE STA		D 2	MA150	. ") · · · · · · · · · · · · · · · · · ·	,
0.3	"	"			D 3	1SS133	"	* .
0.4	DTA144WF	eye atta de entret			D 4	MA150 1SS133		
0.5	2SD661TU 2SC2021R	Transistor	a 3.		D 6	RD2.0EB	Zener Diode	
Q 6	2SC2021LNE	,,			D 7	1SS133	Diode	
0.8	23020212112	· 8	Asset of the Control		D 8	RD3.6EB2	Zener Diode	
0.9	2SD958TU	"	1.4		D 9	1SS133	Diode	
Q10	# - 2"	"	Sign .		D10	RD3.6EB2	Zener Diode	·
Q11	2SB788T			1	D11	"	"	
012	2SC2021R	e specific	AND THE RESERVE OF THE PERSON		D12	-	. –	
Q13 Q14	2SC2878AB	Transistor	,		D13	_		. •
Q15	DTC144WF	D. Transistor			D15		· _	
Q16	"	,,			D16	RD3.6EB2	Zener Diode	A made
Q17	2SD661TU	Transistor		1	D17	1SS133	Diode	
Q18			l and the second		D18	ii saa	"	
Q19	2SC2021LNE	Transistor			D19	RD2.0EB	Zener Diode	
Q20 Q21	2SD958TU	# Fg.	1.00 mg 1.00	1 5	D20	RD3.6EB2	Zeriei Diode	
Q22	23093010	,,			D22	1SS133	Diode	
023	2SB788TU	"			D23		" "	
Q24	2SC2021R	"			D24	OA90	"	
Q25	DTA144WF	D. Transistor	10 No. 1 A 445 N		D25	" " " " " " " " " " " " " " " " " " "	"	
Q26 Q27	DTC144WF	,,			D26 D27	i "	"	
028			en ga ga ga katan kenan sa		D28	Service Services	_ #	
029	"	"	144		D29	<u>-</u> 전체 위원.	·	
030	"	" "			D30	1SS133	Diode	
-Q31	"	"			D31	and the		
Q32		ing - mass.	112 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 - 1235 -	1	D32	MA162	",	
Q33	DTC144WF	D. Transistor	1 198 T	100	D33	post of the second	S. 107	
Q34 Q35	DICI44VI	D. Transistor	* · · · · · · · · · · · · · · · · · · ·			e6 & 12		
036	2SC2878AB	Transistor						
Q37	"			14.5	4	10 D 11 D		,
Q38	DTC144WF	D. Transistor			अन्तर्	1. Sept. 18 1 12 11 11 11 11 11 11 11 11 11 11 11 1		
Ω39	"	_ "				288 (74)		
Q40	2SC2878AB	Transistor	11-20°		D 1	OBD161 L109	CD.	
Q41			, £55°	A.	R 1 R 2	QRD161J-103 " -103	CR	*
Q42 Q43	2SB793AR	Transistor	A Section 1	J	R 3	" -123		
Q43	2SD973AR	" 1000 J. D	webi en iii	F	R 4	" -821	,,	
Q45	DTC144WF	D. Transistor	1930	E	R 5	" -333	·	
-	:		<u> </u>	- 145	Transaction.			

AUDIO

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Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part	Name	Description
R 6	QVZ3506-152	VR	L-CH PB EQ	R71	QRD161J-102	CR		10x 125 125 125 2017
R 7	QRD161J-102	CR	47 (284)	R72	" -332	"	NA 4 4	200 C C C C C C C C C C C C C C C C C C
R 8	" -102	and	Mary wyser in Market Albania	R73	QVZ3506-222	VR		R-CH REC LEV
1	QVZ3506-103	VR	L-CH PB LEV	R74	QRD161J-470	CR		95.5
R 9	1	CR	1000	R75	" -223	","		
R10	QRD161J-102 "-332	"		R76	QRX019J-151S	MER		in the second second
R11	-332 QVZ3506-222	VR	L-CH REC LEV	R77	QRD161J-102	CR		a same and
R12	1	CR	11 11	ì	" -183	,,		
R13	QRD161J-470	un .	1) apr (1) (2) (2) (4) (4)	R78 R79	QRG129J-150	OMR	High	Seed of graphs for Early Street, Ac
R14	-220		1 1 1 1 1 1 1 1	1		CR		- 1 mari
R15	QRX019J-151S	MFR	1,427	R80	QRD161J-154] ","		
R16	QRD161J-102	CR	1 1 2 2 2	R81	-2/7	1		
R17	,		VA-54	R82	QRV143F-3301	MFR	1	Since
R18	QRG129J-150	QMR :	CONTRACTOR OF THE PARTY OF THE	R83	ORD161J-272	CR		
R19	QRD161J-154Y	CR "	13 1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R84	-502			A complete to all
R20	" -274Y	1	as to the second	R85	-101			
R21	QRV143F-3301	MFR	25 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R86	" -562	."		Sec. Prof.
R22	QRD161J-272	CR		R87	′′ -273	"		në side
R23	" -562	"		R88	" -473	"		, £3 · · · · · , £3 · · · · · ·
R24	" -181			R89	″ -103	"		, Assault and the
R25	" -562	"		R90	" -103	".		e vide
R26	" -273	"		R91	" -682	"	87	
R27	" -473	"	J + 54	R92	" -334	"		April 1 Sept. 6
R28	" -103	"	and the state of t	R93	′′ -104	"		E Lange
R29	" -103	"		R94	″ -103	"	Y 1 - 1	t land
R30	" -103	ii .	and the second	R95	" -103	"		900
R31	" -682	11	14.4.4.4	R96	" -272	"		t in the second
R32	" -103	"		R97	" -153	,,		1.00
R33	-334	"	1	R98	-100			with the state
1	-354	,,			_		-	1
R34	1 -10-	,,	en e	R99			_	g at Para
R35	-2/2	"	46 6	R100	-			1416
R36	1 -155	,,	1 W 11 S	1	QRD161J-564	CR		, why # 40
R37	" -102			R102	" -473	1		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
R38	" -103	"		R103		"		170 1
R39	" -333	"	and the first section of the	R104	1	"		1 8 18 to 1 to 1
R40	" -564	"	4.00	R105	" 221	"		
R41	′′ -473	"	and 1	R106	" -473	"		11.15
R42	" -473	"	The second of the second	R107	" -222	"		
R43	" -222	"	2014	R108	" -221	" .		Lin
R44	" -221	<i>n</i>	ese se	R109	" -393	"		
R45	" -473	"	Pgy A Grid and	R110	-183	"		
R46	" -222	"	Co. San Co.	R111	QRX019J-151S	MFR		
R47	" -221	"		R112	_ `		_	. c
R48	QRX019J-151S	MFR		R113	_ `			er janet
R49	QRD161J-393	CR		R114			_ , ; :	a an authorit
R50	" -183	"	1 m	1	QRD161J-472	CR		The against the Property
R51	QVZ3506-102	VR	CROSSTALK CAN.	R116	1	,,	i di	And a street to
R52	QRD161J-823	CR	CHOOTALK GAVA	R117	-122	, ,		X -40600 /Z, 80 ¹¹
R53	" -223	"	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R118	"		1.7	et in the State of
i i	-472		1	į.	-183	,,		l l
R54	-4/2	,,	Angel September 1	R119	1		47.41.4	\$45.5 m
R55	-122	. 11	Distriction of the second	R120	-100	,,		
R56	-021	"	Marin San San San San San San San San San Sa	R121	-165	,,		Maria Maria
R57	-022		VOX. 1 V	R122	-100			14
R58	" -183	"	086 U/ 1	R123	" -183	"		5/1.41
R59	" -153	"	in the second	R124	" -392	"		- 1981 h és
R60	-183	"	No. office	R125	" -153	"		, 06.02
R61	" -153	"		R126	" -392	" "		TES THE PROPERTY.
R62	" -103	"	·	R127	" -103	"		\$45
R63	" -103	"		R128	" -103	"		5G. 5G.
R64	" -123	"		R129	" -153	"		24.5
R65	" -821	11		R130	<u> </u>			Art Art
R66	" -333	· · · · · · · · · · · · · · · · · · ·	Barratal May	1	QRD161J-103	CR		186.1
R67	QVZ3506-152	VR	R-CH PB EQ	R132	" -183	,,,		Value
R68	QRD161J-102	CR	ALMARAMAN AND A	R133	" -153	".	5	+ de ()
R69	" -102	"		R134	- 100			(4.7)
R70	QVZ3506-103	VR	R-CH PB LEV		QRD161J-103	CR	*	56.85
1170	12 V 20000-100	1.11	J., 5,,, 5, 22 y	11.133	C11D 10 10-100	1011		

Symbol No.	Part No.	Par	t Name	□ Descrip	tion
R136	QRD161J-103	CR	92.11		-117
R137	_		-94 - 5.		발문 49
R138		ļ.	<u> </u>	Assistanti (Statement Line	
R139	–		<u>- 1</u>		1
R140	_		_		246.24
R141	- ;		- 1924 - 19 - <u>- 19</u> 91	1967 - 683 (989) (197 103 (1978) (1970)	1870 88 1 V O 88
R142	-	CD		and the same	magni et al
R143	QRD161J-153	CR	Syrvaç C	E HURSTERIO	197
R144 R145	" -183 " -103	,,		THE RESIDENCE.	
R146		"		e .	green .
R147		"	Astronia .	Santaki 2021	1.4.10
R148	1	"	app f	PRE-PROPERTY.	4,000
R149	" -123	"		eger	(m) the
R150	1	"			3.74
R151	" -124	"		(A)	BBT .
R152		'',			, je 18
R153	-103	"			954
R154	-153			P.C.	Server Trans
R155	1	CR	_		6
R156 R157	1	","		Matter 1	Asset (
R157		,,			4-
R159	1	"			
R160		"			Alto.
R161		"		j.	CS- +5+
R162		"			
R163	-154	"			1/3/1
R164	- 1		_		5.42%
R165	5 -		-		4,31.7.1
R166					247 3
R167	1			Par B	A
R168	Į.				
R169	1		_		20.0
R170					
R172			_		410 8 1
R173	i				44.
R174			_		V. 10
R175	5 –		-	N.	71
R176	S		- <u> </u>	to dike the	
R177	7 -				
R178			-		
l .	QRD161J-102	CR		LOUMETER	
R180		VR CR		L-CH METER	
R181)	VR		R-CH METER	
R182		"		l .	
R184		"	•	R-CH BIAS	ay M
R185	1	CR		, v.,	
R186		"		101	
R187	1] .		741	× 10.
R188	3			-27,-	857.
R189	9 -		1 - 1 - 1	501	1000
R190	1		_	rui ^{te} :	61 1
R191		CR		138 138	. d
R192		,,		green and the second	N. P.
R193	l .	",		-,613	
R194	-104	,,		1	. 4
R195	-103			Face to The	
R196	1			Day	
R198	1				934 1 A
R199	1				gant in
R200			- <u>-</u>	. Horagi.	35.75
L	_ 				

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Symbol No.	Part No.	Part Name	Description
R201	toe arrestio	<u>#</u> V.	entrantin in a
R202		<u> 보</u> 송 :	1967年1月1日 11日 - 1
R203	QRD161J-104	CR	was a second of
R204	-104		PATHEOMES VOTES FOR
R205	" -822	· (40)	Street Street Street
R206	" -822	"	4.47
R207	" -681	# 70 AP	THE PROPERTY OF SIX
R208	″ -562	AND	by hour his Cliffeling 120 in
R209	_	— :	est to the second
R210		3m (1-1) k / f (1-1)	
R211	-	<u> 23</u> 5.6	10 o a Gri Carria a Louis 13 f
R212	1	CB MARY	- 1975 AND 1978 FOR 188 FOR
R213		CR States	April 1 mil 14 mil Abrillan - mark
R214 R215	" -102 " -152	.,	Service of the design of the service
R216	" -152 " -152	10 horas \$100	The state of the s
11210	-102		
			Const. Ang St.
			ar (8 %)
R301			ms in the
R302	_	_	150
R303	QRD161J-124	CR	August 1
R304	" -102	"	
R305	" -103	"	(X) 12,00
R306	" -124	"	78.
R307	″ -103	"	and the state of t
R308	" -124		Physics Page 19
R309	" -102	"	. K. 1827
R310	" -124	"	
R311	'' -101	· ''	Section 1
R312	″ -101	"	. 100
R313		. –	
R314	QRD161J-102	CR	100 Page 1
R315	" -102		2.0
R316 R317	QRD161J-472	CR	i i i
R318	Q110 1013-472	_	
R319	QRD161J-472	CR	11 St. 12 St.
R320	" -561	"	1. n
R321	" -561	"	227 1 2 2 2
R322	" -561	"	MAN TO THE PROPERTY OF
R323	" -561	·	the second of and
R324	" -393	"	baucagunggi eri
R325	" -393	"	
R326	" -823	"	
R327	" -823	".	NACH CAUCIAN
R328	" -124	",	No. Betset
R329	" -124	",	u na sa
R330	-124	",	
R331	-124	",	SE LANGE
R332	-562	"	
R333	-502	,,	1
R334 R335	-4/2	\ ''.	
noso	" -472		
		The state of	EXTENSION OF SERVICE
			Live Chip
			ent to the second
			Nulle s viente
C 1	QFN31HK-102	MY Cap	\$20. VA/.
C 2	QER41HM-335	E CAP	persent or law
С 3	QER41EM-475	" A.	Single Attention of State
C 4	QER41CM-336	"	Section 1997 (1997)
C _. 5	QER41HM-335	LL E Cap	EVERSONELLA CONTROL

Symbol	artores in	Lance the Little Control	
No.	Part No.	Part Name	Description
C 6	QEB41CM-106	LL E Capació	GLIVOT TONG.
C 7	QER41CM-226	E Cap	
C 8	QER41HM-335	,,	
C 9	QER61CM-336 QFN31HJ-823	MY Cap	16000000000000000000000000000000000000
C10	QER41CM-106	E Cap	1 1 1 1 1 1
C12	″ ± 106	" manife product	10 CACC 49 . mile
C13	QER41HM-335	"	
C14	′′ -335	profesor casio	Challenger (A.)
C15	" -225 " 105	n a	
C16	-105	MY Cap	
C17	QFN31HJ-393 QER61CM-106	E Cap	Man . Full William .
C19	QER61HM-335	L Sup	
C20	QER61CM-106	"	3. 1 Z. 1
C21	" -106	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C22	- ·	- .	<i>P</i> .,
C23	QEU41CM-107	E Cap	See the second of the second o
C24	QER60JM-107	III E Com	
C25 C26	QEB41HM-334 QEU41CM-227	LL E Cap E Cap	
C27	QEB41HM-104	LL E Cap	
C28	QEU41CM-227	"	14.3
C29	QER41HM-105	"	7
C30	QFN31HJ-103	MY Cap	
C31	QER41CM-106	E Cap	And the second
C32	QFP42AF-273M	PP Cap	and the second
C33	QFN31HK-473	MY Cap	
C34	QFP42AF-562M	PP Cap	
C35	QER41HM-335 QFN31HK-682	E Cap MY Cap	Fig. Salation (
C37	" -122	" Gap	
C38	" -122	· "	
C39	QFP42AF-472M	PP Cap	gar jejest (1949)
C40	QCS31HJ-681	C Cap	
C41	QER61HM-474	E Cap	Name of the second
C42 C43	QFN41HK-103 QER41EM-475	MY: Capitalia	and the second second
C43	QEB41CM-106	" (1) (1)	1,180,180
C45	QEB41EM-475	LL E Cap	all dispersion
C46	QER41CM-226	E Cap	1800 Park Commence
C47	QEB41EM-475	LL E Cap	
C48	QER41CM-226	E Cap	
C49	QEU41CM-337	l .	
C50 C51	QFN41HK-102 " -182	MY Cap	
C52	QFN31HK-102	"	
C53	QER41HM-335	E Cap	
C54	QER61EM-475	"	
C55	QER61CM-336	"	
C56	QER41HM-335	"	1
C57	QEB41CM-106	LL E Cap	
C58 C59	QER41CM-226 QER61HM-335	E Cap	
C60	QER61CM-336	,, ·	j
C61	QFN31HJ-823	MY Cap	
C62	QER61CM-106	E Cap	
C63	QER41CM-106		·
C64	QER41HM-335	"	· · ·
C65	QER61HM-335		· :
C66	OER41HM-225	,,	
C67	QER61HM-105	MY Cap	
C68	QFN31HJ-393 QER61CM-106	E Cap	
C70	QER41HM-335	L Cap	
	1		

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Symbol No.	Part No.	Part Name	Description
C71	QER61CM-106	E Cap	- Charles
C72	QER41CM-106	"	e Million S No. 2
C73	QFN31HJ-123	MY Cap	- security (sec.)
C74	QER60JM-107	E Cap	
C75	QEU41CM-107	1	*** Sim si
C76	QEB41HK-334	LL E Cap	en andre en
C77	QEU41CM-227 QEB41HK-104	E Cap	
C79	QEU41CM-227	E Cap	4.00
C80	QER41HM-105	" ac 3	
C81	QFN31HJ-103	MY Cap	THE SHOOT NAME OF STREET
C82	QER41CM-106	E Cap	
C83	QFP42AF-273M	PP Cap	1977
C84	QFN31HK-473	MY Cap	rutgers of
C85	QFP42AF-562M	PP Cap	tyć. Halant
C86	QER61HM-335	E Cap	774.5
C87	QFN31HK-682	MY Cap	
C88	-122	# 96 A	
C89	" -122 QFP42AF-472M	PP Cap	4
C90	QCS31HJ-681	C Cap	
C92	QER61HM-474	E Cap	
C93	QFN31HJ-123	MY Cap	1.1
C94		_	i de
C95	QEB41CM-106	LL E Cap	The state of the s
C96	QEB41EM-475	"	e e e e e e e e e e e e e e e e e e e
C97	QER61CM-226	E Cap	
C98	QEB41EM-475	LL E Cap	
C99	QER61CM-226	E Cáp	·
C100	I .	" "	and Company and Farger of Est golden
C101 C102	["	
C102		, , , , , , , , , , , , , , , , , , ,	Propagation with
C103	l .	"	A section of
C105	1 .	"	Mail South
C106		_	e distriction of the second
C107	QER61EM-475	E Cap	Lawrence fath Committee
C108		"	
C109		"	To develop the second
C110	1	",	A LONG TO A STATE OF THE STATE
C111 C112	QER41CM-336 QER41HM-225	,,	
C112		_	
C114			
C115	_	_	The Market Committee of the Committee of
C116		_	A Section 1997
- C117		. –	A service of
C118	QER41HM-335	E Cap	
C119	- 1	-	a Market in mile to a service
C120	_		
C121	-	_	
C122	- .	-	
C123 C124		-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C124		et er i skapt i kal	
C126	QER61EM-335	E Cap	
C127	QER41CM-106	- Cap	94.00 miles
C128	QER61HM-335	Michael .	and the second second second
C129	QER61CM-106	- "	
C130	QC\$31HJ-101	C Cap	
C131	" -101	544 C (#35)	Respect Att end 11
C132	(E Cap	
C133	" -107	"	
C134 C135	" -107		
C135	[l	

Symbol No. Part Name Description No. No. Part Name Description No. No. Part Name Description No. No. No. Part Name Description No.
C137
C137
C139
C140
C140
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C143 C144 C145 C146 C0EV41CM-107 C146 C0CS31HJ-390 C147 C148 C149 C150 C150 C151 C152 C153 C154 C155 C156 C267 C156 C27 C157 C158 C27 C158 C27 C159 C159 C159 C159 C159 C160 C8R61CM-476 C159 C9R41HJ-391 C160 CPN41HK-182 C161 C161 C162 C200 CER61CM-476 C201 CFN41HK-182 C161 C161 C162 C201 CER61CM-476 C202 C203 CER61CM-476 C204 C205 C206 C206 C206 C207 C207 C208 C208 C209 C209 C209 C209 C209 C209 C200 C200
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6.2.2 FM audio board ass'y 0 2 PGE10010E-01

Symbol No.	Part No.	Part Name	Description
IC 1	HA11752	Integrated Circuit	
IC 2	AN6392	, ,	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
IC 3	7∨T06 ″		
IC 4	AN6391S	,,	
IC 5	AN03915	,,	See Comments
IC 7	EHM-X42U50A	,,	1.7 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
IC 8	"	u _{sea}	Additional and a specific of the second
IC 9	M5218P	"	947 W. W. W.
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IC11	"	" .	345 See See See See See See See
IC12	"		Min
IC13	,,	,,	2000 2000 2000 2000 2000 2000 2000 200
IC14	1	,,	State 1 April 1
IC15	TK15021	,,	201
IC17	BA634F-T2	,,	
IC18	BA226F-T2	"	
IC19	M5218P		market and the state of the sta
IC20	TA78L009AP	"	era. ekst
IC21	TA78L005AP	"	No.
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Q11	2SD637RS	"	System is a
Q12	"	, ,	
Q13 Q14	,,	,,	1000
Q15	2SD639RS	,,	
016	DTC124EF	D. Transistor	
Q17	"	"	
Q18	"	11	
019	"	"	No. 1 Section 1
020	"	"	
Q21	" "	"	
022		"	
Q23 Q24	2SC2647C	Transistor	1 (A + V)
Q25	DTA124EF	D. Transistor	
026	D1A124C1	D. (18)3300	
Q27	2SC2878AB	Transistor	
Q28	2SD639RS		May Superior
Q29	s of the man	"	In this course wind bear Re
030	DTA124EF	D. Transistor	er in a standard garter bygging

O31 2SB643RS 2SC2647C	ymbol No.	Part No.		Part Name		Descr	ption	iii Kiy
Q32 2SC2647C " Q401 — — Q402 — — Q404 DTA124EF D. Transistor Q405 D. SDB39RS Transistor Q405 TSS133HV Diode D 1 RD5.1EB2 Zener Diode D 2 RD5.1EB2 Zener Diode D 3 " " D 4 " " D 5 " — D 6 — — D 7 — DoA90 D10 RD5.6EB2 " D11 RD5.1EB2 Zener Diode D12 DA90 Diode D13 " " RD5.1EB2 Zener Diode D16 " " D17 " " D18 " " D19 " " D10 <	new por en	2SB643RS	140	Transistor				
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R 4	-102	,,	(minus)
R 5	" -0R0 " -332	Tropogravana	[880] 1884 1885 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886 1886
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R10	" -123	"	
R11	" -123	er samme for	Semanting of the second
R12	" -223	17.30 C 2000	\$ 83 S (\$154) S (\$1
R13	′′ -224	"	81 JP
R14	" -102	",	Feb. 1.3
R15	·· -473	· ",	, 24 84 18, gr
R16	" -153	,,	
R17	-2/2	n A al C	Especial 1
R18	'' -471 '' -681	,,	meAle in
R19 R20	-001 " -821	· ·	Denograman (1.1
R21	" -102	H. G. Carre	
R22	" -102	n with the	58 NG + 1
R23	" -102	"	Sale a
R24	" -102	n ·	
R25	" -102	He seed a market was a	English that I start
R26	" -ORO	965 m	Stephin Gran
R27	" -OR0	"	
R28	′′ -681	"	F 1
R29	" -102	"	7.33
R30	′′ -681	"	sefferen est in
R31	'' -272	*(n /un - 36/109)	Miganical Addition of May
R32	-682	\ ,,	1.850 × 20 × 30 × 1
R33	-393	"	and the second second second
R34	" -102 " -121	,,	
R35 R36	-561	"	A Color Company of March
R37		41 Augus	+ 7575, 10g s
R38	_	_	
R39	_	_	1.45
R40	_	_	
R41	_	_	
R42	-	-	34.1
R43	QRD167J-151	CR	Safer in
R44	" -562 " 303	"	
R45	-500	"	
R46	'' -124 '' -124	,,	
R47 R48	-124		eren ja vere de j
R49	'' -272	11	
R50	" -682		100
R51	-472	Partial Par	Twee and the state of
R52		_	3.80
R53	_	_	
R54	_	_	
R55	_	_	e fact of
R56	_		1945.1
R57		_	0.028
R58	QRD167J-562	CR	
R59	" -393	y spars	1467 PRO 1800
R60	" -124		
R61	'' -124	\\ \''\ \\ \'\ \\ \'\ \\ \\ \\ \\ \\ \\	
R62	" -151	"	
R63	" -682 " -272	.,	
R64 R65	-2/2		
1,000.	-002	1	<u> </u>

		- The state of the		FM AUDIO	
Symbol Part No.				Description	
R66	QRD167J-472	c	A twee space.	夏季斯 / 第7 章 (10 英)	
R67		- 1	- :	2500.2014 1 5 15	
R68	-		- :	667 10 24 30	
R69	QRD167J-152	c	R	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
R70	" -223	'	•	Stabbilde in 14	
R71	<u></u> :		_	1.0 (4)	
R72			- .	4990203110	
R73	QRD167J-392	C	CR ·	98 397	
R74	" -152	١,	•	Welferthal 6 In	
R75	" -392	'	•	1 150	
R76	" -561		•	4.84.3	
R77	" -221	'		A Company	
R78	" -332	,			
R79	" -332	· '	•	2013	
R80	" -223°	· '		31494 1 1 0 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
R81	" -223	'	,	- Pro- 8 (15)	
R82	′′ -123	'	•	The second secon	
R83	" -223	•	u .	The Addition April 1	
R84	" -821	,	•	Apr. (2015) 1 (4) 1 (4)	
R85	″ -820			PERALERAL BY S. PRELICE	
R86	" -392	,	,,	Salar Salar Salar	
R87	" -152		,,		
R88	" -392	. ,	,	1	
R89	" -561	,	••		
R90	-223				
R91	" -221		,,		
R92	" -332	_ <i>,</i>	,,	4,	
		_ <i>,</i>	,,		
R93	" -332	_ <i>,</i>	,,	1000	
R94	-223	1.		1 Maria - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
R95	-123	- 1			
R96	-223	1			
R97	-821	- 1			
R98	-820				
R99	-124	- 1			
R100	-333				
R 101	′′ -124	1		***	
R102	′′ -333	'	•		
R103			_	25 March 2	
R104	QRD167J-561		CR	The state of the s	
R105	′′ -124	1		est of the sites of the sites	
R106	" -333	'	,	Art and the	
R107	" -333	'	•		
R108	" -124		•		
R109	" -561	1,	4		
R110	QVZ3506-682		/R	R-CH METER	
R111	" - 682	'	· ·	L-CH METER	
R112	QRD167J-821	C	R		
R113	" -102	1	,	1 N N S S S	
R114	." -102	'	•	± 1 € 1	
R115	" -333		•	250(2011 4 1	
R116	" -393	,	Karagayan g	Herry Distriction	
R117	" -224	,	,		
R118	" -333	,	,	·	
R119	" -224	•	,	4 6 6	
R120	" -393		,		
	QRZ0054-120	F	use R		
R122	QRD167J-102	1	:R	0.50	
R123	" -103		,		
R124	" -562	,	· Standard	UN VIEWOOD AL .	
R125	" -104	1.	forpitalis	weeking a table of the second	
R126	" -151	,		1	
R127	" -102	,	 Company of the company of the company	HARTBERED TET	
R127	" -0R0		,	A SA CONTRACTOR	
13 1 40	-UNU	- 1		150 F. W. S. 1847	
P120	QVZ3506-103	11	'R	L-CH PB LEV	

Symbol No.	Part No.	Description		
R131	QRD167J-332	CR	Q82 2	30 400 F00 F00
R132	_		- '- 1	- इत्या सम्बद्धां स्था
R133	QRD167J-102	CR	1	Tental APSS (Section)
R134	" -472	"		TED MACKETERS (MIC.)
R135	" -123	"		4 2 MO 1869 MO - 1969
R136	" -332	"		As Walderson Co.
R137	QVZ3506-681	VR		L-CH REC FM LEV
R138	QRD167J-102	CR		O'NE CORVERSION ENGINEER
R139	QVZ3507-222	VR		L-CH CARR.
B140	QRD167J-392	CR		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R141	QRD167J-472	1"	1984 - MARI	Barrier of the State of the Sta
R142	" -272	"	1,250,000,002	N 40 White will had to the
R143	" -123	"		TO SEA PARTICIO E POD
R144	QVZ3506-472	VR	englisher	L-CH REC/PB LEV
B145	QRD167J-102	CR	Server of	263 GSL 281225 GSC
R146	" -103	"	- 10 YM	ORAC E DEL MONDA COMO
B147	" -562	"	100 A	and the second of the second o
R148	" -151	"	* **	AND
R149	" -104	"	al in water	graphic professional state of
R150	" -102	"	QALLET F	
R151	" -0R0	,,		87.85.17.13.0
R152	_	VR		R-CH PB LEV
R153	QRD167J-103	CR		95.
R154	" -332	,,,		10 10 10 10 10 10 10 10 10 10 10 10 10 1
R155	" -102	"		in the state of th
R156	" -123	n.	:'	
R157	" -472	,,	14 1000	1
R158	" -102	.,	4 (4 (5) 4 (4 (5)	
R159	" -272	"		312 312
R160	!	VR	HID MA	R-CH REC FM LEV
R161	QRD167J-102	CR	i kalendari Popela Sala	CAN THE STATE OF T
R162	QVZ3507-222	VR		DOLLCADO
	i .	CR	ر در کا فیم در کاری در	
R163	QRD167J-272 " -472	Un.	n telestrali San del	
R164	" -272	ļ.,	· 10	
R165	-2/2	VR		R-CH REC/PB LEV
R166		CR		
R167	QRD167J-333	100		
R168	'' -103	,,		10.00
R169	" -333 " -103	1,,		177 (9)
R170	-103	,,	- 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 194	Earth State State State
R171	" -223	 ,,	1,182	
R172	" -223			
R173	" -122	, ,	15° 7' 41	Park Mark Carlotter State Comment of the Comment of
R174	-103	,,,		Decrease And Roughbours
R175	-082	,,		2000 s. 11 444 5 0 1 0 1 1 1
R176	-082	,,	1967	An Gray King & Harry To
R177	f			A. A. Millian day on the
R178	" -183 " -271	,,		
R179	-2/1 " -561	,,		Salah dan Artan
R180	-561	,,	gas a service	
R181	1 -2/4		The state of	March 1986 March 1986
R182	-2/4	,,,		
R183	-223	,,	Asia Tali	Market Market
R184	-100	\	<0.00 mg/s/2000	OSP CHANGE TO STANK
R185	-155	,,	680 Ye4	the artification of
R186	-100		C. L. L.	Busine Jacob Tripli
R187	QVZ3507-154	VR	스포트 원 _를	a District a material policy
R188	" -154	"	1980 47	gaza e i kirkirin kirang kalang
R189	- :		135 -1 5.	6. JOHN 1017, L
R190	_		-	64 dt dt 1
R191	QRD167J-153	CR		#Stockhowska Dijetoryon
R192	" -153	"		B01 (1841)
R193	" -273	"		Partition of State
R194	" -273	"		All Same
R195	′′ -273	"		<u> 1848 - 1848 - 1</u> 1948 - 1
	<u> </u>			

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Symbol No.	Part No.	i espe	Part Name	Descript	ion	
R196	QRD167J-273	CR	4600	12824 1838		
R197	" -154	"		2 Cat.		
R198	" -102	"			7. 44	
R199	" -103 " 133	"				
R200	-122	",	Patrick April	ng Sight of the state of making the State of		
R201	-122	,,		3/34.	nji se	
R202 R203	" -562 " -472	,,		la.		
R203	" -102	,,		Maria de la companya dela companya dela companya dela companya de la companya dela companya de la companya de l	\$** ·	
R205	" -182	,,	S885 7 73		3	
R206	" -182	"		SSON Syrights Pist of the		
R207	" -0R0	".	Grand S	MS Award Kiladi	- 1 ·	
R208	" -122	"	g,8 3 0 11	beginnen mag.	1.5	
R209	" -122	"	*(gg-1g-17)	CONTRACTOR STATE	31.4	
R210	" -0R0	"	1990 180 T	Carley Facility	di	
R211	-4/3	",		P.D.C		
R212	′′ -561	''	14 m	West care things		
			Association of	Giller Agone (1916) Vita o de Lata	- Ar- 12 f	
R401			1996 - 1 - 1886 - 14 19	State of the second	ari Din	
R402	_		- p. (
R403	_		Ξ.	Set a wind had		
R404			6.46. 	A trade a section		
R405	QRD167J-0R0	CR			***	
R406			5 x 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	et i la para e persona		
R407	QRD167J-0R0	CR	activities	Maria et a como n	e.	
R408	_		vş. ⊆	Augustrato in Augustra		
R409	_		· <-;—	The first section of the section of	Sec	
R410	-		,	agent all references		
R411 R412	QRD163J-183 QRD167J	CR	** L	The South British and Carlot. The South British British British Carlot.	142.0	
R412	1	,,		The state of the state of the	. 673 673	
R414	_			1.14	1.34. (c)	
R415	QRD163J-183	CR	49	TOTAL STEELING TOTAL SECTION	Sey 1	
R416	QRD167J-183			The Bellin Artist	44	
R417			_	TO MAINTEN		
R418	_		-	\$2.50 NO 14.50 NO 11.		
R419	_	Ì	-,	Name of Alberta		
R420	QRD167J-0R0	CR			1, 2,1	
R421	<u>-</u>			and Market and a second	1,200	
R422	QRD167J-0R0	CR		Salar American Communication	414	
R423	- ' '		_	Market 1974	1.7 83	
R424 R425	_		_	the state of the state of the		
R426	_		_		- 1444 - 531	
	QRD163J-183	CR	3.5	Strainer Comme	(%)	
R428	'	"		Nasan Falah Lidi.	The control	
R429	QRD163J-183	"		es.		
R430			· ·	and the second	発展し	
R431	QRD163J-183	CR			521	
R432	" -183	"		(p. +1	1741 -	
R433	" -103	"		18.	da China	
R434	" -103	"		1.1		
R435	" -822 " -822	",			965 960	
R436 R437	-822 '' -822		ng seleta ngbar	En say repersion	5 7 60 U	
R438	-622 " -822	"	Ngara a	er and the second	Street .	
R439	··· -822	"		l and	DC:	
R440	" -822	"		en to post	341	
R441	" -822	"		April 10, and the first option	separate	
R442	" -822	"		1	in a	
R443	QRD167J-122	"		1.7	C\$ 1	
R444	" -122	")	k br	
I	QRD161J-223	"	April 2 To face	ar uni de d'Aldi.	3585c2	
R446	" -223	<i>"</i>	100		\$13.7" 1.57	

Call (Alba) (Alba)					
Symbol No.	Part No.	Part I	Vame	Descri	ption
	QCS11HJ-221	C Cap			
C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23	QER40JM-336 QCF11HP-223 QFN41HJ-223 "-333 QCS11HJ-820 QFN41HJ-223 QCS11HJ-331 QFN41HJ-223 QER40JM-336 QCF11HP-223 QER40JM-476	E Cap C Cap MY Cap "C Cap MY Cap C Cap MY Cap E Cap C Cap E Cap		200 - 100 -	AMERICAN AMERIC
C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39	QEPA1HM-105 QFN41HJ-102 QER41CM-336 QCF11HP-223 QFN41HJ-223 QCS11HJ-270 QER41HM-105 QFN41HJ-223 "-223 QER41CM-106 QER41EM-475 QER41CM-106 QER41EM-475 QER41CM-476	NP Cap MY Cap E Cap C Cap MY Cap C Cap E Cap WY Cap : : : : : : : : : : : : : : : : : : :			200 (A)
C41 C42 C43 C44 C45	QER41AM-226 QER41CM-476 QEB41EM-475 — QER41CM-476 QER41AM-226	E Cap			
C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58	QEH41AM-226 QER41CM-476 " -226 " -226 " -226 " -226 " -276 " -106 QFV41HJ-104 QEU41AM-107 QER41CM-106 " -476 QER41AM-226	"" "" "MY Cap E Cap "" ""		down in	100 8
C60 C61 C62 C63 C64 C65	QER41CM-226 " -476 " -106 " -106	" " " MY Cap E Cap			Company (Company Company Compa

,		FM AUDIO			
Symbol No.	Part No.	Part	Name	Descr	iption
C66	QER41AM-226	E Cap	30.3	2001 (1000) 519 2001 (1000) 519	TO DESCRIPTION OF THE PROPERTY
C67	QER41CM-226	"			136
C68	QER41EM-475	"	Fig. :	866 46 40 06	lydoddon i o
C69	QER41AM-226	. 11	150 3	273	temen
C70	QER41CM-476	"		100 A	1985 A.A.
Ċ71	QER41EM-475	. "		02 F 14	
C72	-475	"	Shar	reg bases.	rene region
C73	QER41AM-226	. "	Selfe	Spak in Nobi in the	n and an experience of the control o
C74	QER41EM-475	"	30.	Jaganga M	Andrew Service
C75			<u> 25</u> (1)	yasti in erro	15-12-2-15
C76	QFN41HJ-223	MY Cap		Na Calland A Victor (1994)	S. Alberta
C77	QER40JM-476	E Cap		right of the state	1,3,540
C78	QER41AM-476	"		ega-	orbigor a dis
C79	QFN41HJ-104	MY Cap	et also se	Since were production and	a marine
C80	QCS11HJ-101	C Cap		Company of Alexander	er en
C81	QFN41HJ-332	MY Cap		part of	
C82	QET41AM-476	E Cap		23-3	
C83	QER41CM-476	"		₹*	
C84	QFN41HJ-562	MY Cap		jografia	
C85	QER41CM-476	E Cap			
C86	QET41AM-476	"		(5.7)	
C87	QER40JM-226	" .		Park Company	
C88	'' -476	"		500 N	
C89	QFN41HJ-103	MY Cap			
C90	QER41CM-476	E Cap		, s	
C91	476	",		.,,	
C92	QFN41HJ-223	MY Cap			
C93	QCS11HJ-330	C Cap			
C94	" -820	o oup			
C95	QFN41HJ-223	MY Cap			
C96	QCS11HJ-101	C Cap		The state of	
C97	QER41HM-105	E Cap			
C98	QCT25CH-101	C Cap			
C99	QER41CM-106	E Cap		1	
C100	" -106	- Cap			
C100	QER40JM-226	,,		ent to the contract	
C102	" -226	,,			
C102	-220	,,,			
C103		,,			
C104	QFN41HJ-104	MY Cap			
C106	QCS11HJ-101	C Cap		ľ	
	QFN41HJ-332			2.0	
C107		MY Cap		T.	
C108	1	E Cap			
C109	1	MV Con			
C110		MY Cap			
C111	1	E Cap			
C112	i	,,		- Sa 1	e .
C113	QER40JM-476	,,			
		MY Cap			
C115		1			
C116		E Cap			
C117	7770	l .			
C118		MY Cap			
C119	1	C Cap			
C120		MY Cap		2.2.2	and the second
C121	QCS11HJ-820	C Cap			
C122	1	E Cap		AME TO A STATE OF THE STATE OF	
C123	QCT25CH-101	C Cap		\$ 145	
C124	1	E Cap			
C125	" -106	l .			
C126	QER40JM-226			la de	
C127	" -226	"		Ţ,	5 f s f
C128	1	",		·	
C129	" -475			1	3.12
C130	" -475	"		1	- PF 9

Symbol No.	Part No.	Part Nam	e Description
C131	QER41HM-225	E Cap	
C132		"	
C133	QFN41HJ-1 02	MY Cap	infrances of a
C134	" -273		
C135	" -102	" Q\$	The realization of the second
C136	-273	and the second second	AND THE RESERVE OF THE PROPERTY OF THE PROPERT
C137	QER41CM-476	E Cap	
C138		C Cap	
C139	QEPA1EM-475	NP Cap	·
C140	" -475	,,	
C141	-	-	
C142	QCS11HJ-6R0	C Cap	
C143	QCS11HJ-6R0	C Cap	
C144	" -6R0	"	
C146	1	"	
C147		MY Cap	or QFN41HJ-223
C148		E Cap	
C149	1	"	
C150	" -476	" .	
C151	" -226	"	
C152	" -226	"	
C153	" -476	"	
C154		_	
C155	QER41HM-334	E Cap	
C156	1	MY Cap	
C157		"	
C158		,,	
C159	′′ -102		
	1.		
C406	QEB41EM-475	E Cap	
C400	1	,,,	
	QER41CM-476	"	
C409	1	"	
	QEB41EM-475	"	
C411			
C412	2 -	_	
C413	3 -	_	
C414	1 -	_	
C415			
	OEB41EM-475	E Cap	
C417	11.1	,,	
C418	1	,,	
C418		"	
C420	E .	_	
C422	1	· _	
C423	1	_	
C424	1	_	
C425	1	_	
C426			
C42	1	MY Cap	
C428	1	"	
C429		"	
C430	o '' -472	1 "	
	•		

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Symbol No.	Part No.	Part Name	Description
L 1	PU53223-101JG	Peaking Coil	
L 2 L 3	" -101JG " -101JG	## 34, 34	w varandi a .
L 4 L 5	" -221JG PU53607-152	Coil Coil	S. WARREND & C.
L 6 L 7	" -152 PU53223-101JG	Peaking Coil	and the second s
L 8	" -101JG	"	
⚠ICP1 ⚠ICP2	ICP-F10	Circuit Protector	·
		1000	6.1.1 TW Bayes
BPF1	PU56177-3	Band Pass Filter	ARRIVATE SEE
BPF3	" -3	10 March 1980	
T: 1	PU56175	Transformer	
T 2	r yer yer.	systems	grading to the second
RY1	PU55260	Relay	1 (1 (Supplemental)
CN 1	PU43351-6	Cap. Housing	·
CN 2 CN 3	1	"	
CN 3	-	,,	
CN 5 CN 6	L .	"	
CN 7	" -2Y	"	
CN 8	II.	70. 5 0. w 0	
CN10		guita e sua <mark>''</mark> ''	en syn transition
CN12	. '' -4Y	# N. A	N SECTION OF SECTION
CN13 CN14	-4	"	e to file out
		A.	Carlo Carlos
CN43 CN44	PU43351-3 "-2	Cap. Housing	
CN45	1		\$1. F1
, ·			
CN50 - CN51	PU43351-2R "-2	Cap. Housing	The second of the second
CINOT	-2		,
	PU52104	Tapping Support	
·	PU54969-2	Wire Clamp	x,5
	PGD40137	Shield Case (1)	
	PGD40138 PGD40139	" (2)	
	PU56008	Test Pin	TP1=37 12 1
		Jana Colonia (1995) and a specific of the spec	
		1 .	

6.2.3 Rear-1 board ass'y 0 3 PGE30073A 6.2.6 Full erase head board 0 6

Symbol No.	Part No.	Part Nam	e Description
Q 1	DTC144EF	D. Transistor	an democratical
R 1	QRD167J-750	CR	
\triangle	PU49624-2	Varistor	VA1 +2
		apresis apres analysis	Section 1 Sectio

Symbol No.	Part No.	Part Name	Description
	PU53259-1-2	Full Erase Head Box	그리는 그는 사람들은 장에 살아 가장 그리고 있다.
IC 1	3VT01	Integrated Circuit	radalestaren 1946 marojaren
C 1	QFP42AG-363	P. Cap	E GARAGES

SW board 0 4 6.2.4

Symbol No.	Part No. Part Name		Description		
	PGE20111-01-02	SW Board	1		
		energy of the second	to the thirty to		
	PGZ00016 PGZ00017	Slide Switch	S1-3, S5-7, S10 S4, S8, S9		

6.2.5 VR board (1) ass'y 0 5 PGE30049A1

Symbol No.	Part No.	Part Name	Description
R 1 R 2 R 3 R 4 R 5 R 6 R 7 R 8	QRD167J-391 QRD121J-151 "-151 	CR " " VR	
R10 R11 R12 R13	— QRD161J-101 "-101 "-101	CR	
↑ VA 1 ↑ VA 2 ↑ VA 3 ↑ VA 4 ↑ VA 5 ↑ VA 6 ↑ VA 7	" -2 " -2 " -2	Varistor	The second of th
CN21	PU43351-102 PU49215-107	Cap, Housing — Cap, Housing	HQ2 874 — E

6.2.7 Regulator board ass'y 0 7 PGE20007C

Symbol No.	Part No.	Part Name	Description
∆IC 1	STR2012A	Integrated Circuit	with the contract of the contr
<u> </u>	, i	,,	STATE OF
<u>/</u> \(\) C 3	UPC7815H	,,	
<u> </u>	"	" :	
			regresses de la Maria de la
			45 7 2.7
A O 1	2SD638R	Transistor	22.2
<u> </u>	2SD837Q	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<u></u>	2SB644R	esteration in	Calenti Ca (L.
			samuras e ente de l
⚠ DA1	RB601F	Diode Array	
M DA2	"	"	. 407 25.1
		and the second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
D 1	RD12EB1	Zener Diode	
D 2	W03C	Diode	
D 3	RD.15EB3	Zener Diode	Programme and the second
			production was
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R 1	QRD167J-271	CR	\$ 25°
R 2	" -182	1 "	9-80 1,49-64 (1967) 1987
R 3	" -272	"	A Darward Street Control
R 4	" -102	"	
R 5	" -472 " -222		
R 7	" -102	"	
R 8	QVZ3506-331	VR	
-			
∆ C 1	QFH52AM-224	MM Cap	2813 253
C 2	QEL71HR-478	E Cap	
C 3	QET41HM-107	",	
C 4	QET41AM-477 QET41HM-107	"	
C 6	QET41EM-337	"	
C 7	QET41HM-107	n same	
C 8	QET41EM-337 " -337	**************************************	1 - N. 19 (A) - 1
C10	QEL71VR-688	· · · · · · · · · · · · · · · · · · ·	
C11	QET41EM-337	"	
△C12	QFH52AM-224	ММ Сар	
C13	— QET41CM-476	E Cap	
C15	QCF11HP-223	C Cap	
C16	QET41CM-476	E Cap	
C17	QCF11HP-223 QET41CM-476	C Cap E Cap	
C19	" -106	"	
C20	" -476	"	
△C21 C22	QFH52AM-224 QET41VM-227	MM Cap E Cap	April 1995
C22	QET41VM-227	E Cap	- W
C24	476		

Symbol		Profitor 1 No. 1 or	
No.	Part No.	Part Name	Description
C25 C26	QET41EM-476 QET41CM-476	E Cap	TORON A CINCOL AND A
C27	QCF11HP-223	C Cap	\$ W
C28 C29	QET41CM-227 QCF11HP-223	E Cap C Cap	fate to the
C29	QUE 11HF-223	ССар	
		*	Harabara H. S. H
	*		Superior Services in the Services
4494 AP	English Albania gay	•	on The Shrika on Dr
∆ L 1	PGZ00139-331	Choke Coil	I. OF DESCRIPTION SAFEKER
<u> </u>	" -331	"	
<u> </u>	-331		
∆ L 4	₁₃₈₉ ″,	,	Magagi pangan bilanga
4 L 5		,,	
△ L 6 △ L 7	" -331 PU30284-1R	"	COMBREAD WAY SERVED A FOR
Z==	1 030204-111		Leady Assistant and a second
			1867 113
	PU50597-3	Cap. Housing	
⚠ CN 2	" 3	"	1,14,17,14
⚠ CN 3	" -3 PU43351-6	,,	
CN 5	" -4Y	"	same or a second of the second
CN 6		_	A Section 1
CN 7	PU43351-2R	Cap. Housing	general representation
CN 8	" -2	"	State of the second
CN 9	" -4	"	. *
CN10 CN11	" -9 " -7	,,	115 W
CN11	" -3R	. "	The state of the first of the state of the s
CN13	" -2	"	tak menengan bilan
CN14	" -2	. "	54
CN15	" -2R	,,	stop \$500 to 1000 to 1000 to
CN 16	PU43351-2Y	Cap. Housing	Harris Alberta (1997) Maria Maria (1997)
A CN 18	1	Cap, Housing	A SAME TO THE POST OF THE SAME
CN 19	1	_	45% 10.5
CN20	PU43351-2Y	Cap, Housing	Company of the second
CN21	" -2	"	All the second second
	PGD40059	Heat Sink	The state of the s
	PGZ00074	Transistor Spacer	x 2spa (a)
	SPSP3008Z	Screw	x : 2 , - < ,
	SPSP3006Z	"	x:5
	DI IEGOOO	Task Dia	TD1 0
	PU56008	Test Pin	TP1-9.5-0 4-1
A	PU51212	Fuse Clip	× 20
		• •	· ·
		1	
	The fellowing force	oro pot included to	PGE20007C
	The rollowing tuses	are not included in	r GEZUUU/G.
<u></u> F002	QMF51E2-4R0	Fuse	
<u> </u> F003	" -4R0	"	
<u>↑</u> F004	" -R40	with a state of the state of th	And the second s
<u>∧</u> F005	" -1R25 " -1R25	"	Company and Company
⚠ F007	" -1R0	и .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
⚠ F008	" -R80	"	Še in a
<u> </u>	" -2R5	"	r 20
♠ F010	" -2R0	" 11 19 1	· 特別等數別學的 [1 1 1 1 1]
⚠ F011	" -3R15		Tensor of State
<u></u>	L	Leta Congression	1 100 A 150 A 150 A

6.2.8 Syscon board ass'y 08..... PGE10032B

Symbol No.	Part No.	Part Name	Description
IC 1	HD14021B	Integrated Circuit	(4 vaustro (ago - 1)
IC 2	"	"	The Property of Section 1
IC 3	"		KJ Jens Military Grant III
IC 4	"	, 98/ * 7 1	or TC4021BP,
IC 5	"	081,46-1 1	or UPD4021BC
IC 6	"	"	
IC 7	TC4066BP	"	
<u></u>	HD6303RP	",	115741 00705
IC 9	M74LS373P	"	or HD74LS373P
IC10	PGD30239-3-8	der constant	Resident Control Print
IC11	HD6821P	,,	
IC12	TD62703P M74LS20P	,, ,,	or HD74LS20P
IC13	M74LS08P		or HD74LS08P
IC15	M74LS04P	"	or HD74LS04P
IC16	15VT01	n ' :	
IC17	TC4053BP	"	w sweeping the transfer
IC18		"	
IC19	UPC1458C	. "	
IC20		galactic of the co	Addition that the second
IC21		"	
	M54543L	"	
IC23	TC4011BP	"	to assume the a
IC24		"	
IC25			
IC26	1	to seats of the s	Mills with the second
IC27		,,	
IC28		,,	
IC29	1	, , , , , ,	
IC30			141
IC32	t .	. "	
IC32	i	"	y ·
1C34	i .	18	1
IC35	1	"	1.90
	4		And the second second
IC37	5	"	2 4 7 7
1038	· · · · · · · · · · · · · · · · · · ·		1 1 1
IC39	M54533P	ei – – – – – – – – – – – – – – – – – – –	
IC40	TC4011BP	"	
IC41			
⚠ IC42			
IC43		76 A 11	
IC44			Maria de Presidente de la Companya del Companya de la Companya del Companya de la
IC45	1	"	1 10000 1 11 1
1C46			On All of Mark Andrews
1047	1	"	
	1 19	era otto agricio e a	er en gregoryte
7	·		
	A CONTRACTOR OF THE	vigitation no ne residence	videoret e
	4		RANGER CHANGE WAS TALK
1 0 1			
0 1	DTC124EF		Fig. 1 September 1 Community
0.3	D1C124EF	U. Transistor	
0.4	DTA124EF	"	
0.5	DTC124EF	"	4.5
0.6	"	<i>u</i> 1.	2 1 3 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0.7	"	"	
0.8	2SD636Q,R	11011313101	· 人名伊斯克
0.9	"	"	
Q10	DTA124EF	D. Transistor	, 2

Symbol	Part No.	: 3:	Part Name		Description
No.					
Q11 Q12	DTA124EF	* : 4 / kg	D. Transistor		
013	DTC124EF		,,		
Q14 Q15	" "		n n		
Q16	DTA124EF		•	l	
Q17 Q18	DTC124EF		"		
Q19	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<i>"</i>		1 2 2
Q20 Q21	,,		11 10 (88) 11 (48)		fahreabilitä i v. 900
022	,,				
⚠ Q23 ⚠ Q24	2SB907		Transistor "		The state of the s
<u> </u>	"		"		
△ Q26 △ Q27	"		en Harris		
△ 028	" DT010155		" D. T		
Q29 Q30	DTC124EF		D. Transistor		ē.
Q31 Q32	"				i din di
Q33	,,				A Section of the Control of the Cont
Q34 Q35	" DTA104EE		"	٠	·
036	DTA124EF DTC124EF		,,	1	
Q37 Q38			"		
039	_		<u></u>		g valenter jar
Q40 Q41	DTC124EF DTC144EF		D. Transistor		
041	DICIAACE			5	ar
'					· · · · · · · · · · · · · · · · · · ·
					11 EU-841. a
D 1	RD5.1EB2		Zener Diode	2.1	Cagarina de Cag
D 2	1SS133		Diode	ŧ	as visit in the state
D 4	",		"		era de Maria de la composición de la c Actual de la composición del composición de la composición de l
D 5	,,		"		estation was a
D 7 D 8	100100		- Dii-		to Alberta Colored Cappers of Alberta
D 9	1SS133 RD2.4EB		Diode Zener Diode		g alle gar gar
D10 D11	1SS133		Diode "	1	Area to the second
D12	"		4.		
D13	"		# 34.1. * #* *		
D15	"		<i>n</i>		1 - 94, 11 + 51, - 4 + 7
D16 D17	"		# 30.00 48.1⊑1	100	
D18			40, 4 <u> </u>		Salar and A
D19 D20	1SS133		Diode "		
D21	_				di January di Amerikan di A Amerikan di Amerikan di Am
D22 D23	1SS133		Diode "		
D24	<i>"</i>		"		10 1 part 8 (1 1 22 pm)
D25	.,,				

SYSCON

	D						SYSCON
Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
D26	1SS133	Diode	ran Macoadiaga	R36	_	<u>-</u> 0.75	
D27	"	"	Anna a sa	R37	QRD167J-104	CR	98 - February
D27		<i>n</i> ·	Particol 1	R38	" -104	· · ·	Sine the space of
D29	"	<i>n</i> ·		R39	" -103		Tara and Isona
D30	· H .	"	eg si	R40	" -103	•	See September
D30	n .	"	Carrier and Assault	R41	" -103	"	Elektrick State (A
D32	RD6.2EB2	Zener Diode		R42	" -103	"	
D33	RD3.0EB2	,,	garage Arighe 1984 1	R43	" -473	"	North Assert
D34	"	"	Section () Leave the	R44	" -104	"	i i jaman ka
D35	<i>"</i>	<i>II</i> • • •	Marie St.	R45	" -124	"	
D36	188133	Diode	ASSESSED VICEOUS	R46	" -124	"	general graduation
D37	V03C		12. 1 1.11% I	R47	" -103	"	ida da an
D38	, , , ,	"		R48	" -103	n	grant n est such
D39	188133	""	Specific Committee	R49	" -103	<i>"</i>	tile to
D40	V03C	" .	Asia I	R50	" -103	"	\$4.
D40	"		kg transfer to	R51	-103	"	Major Street Street
D41	1SS133	,,	ar system la	R52	" -103	"	
D42	V03C	n '	, s	R53	" -103	"	in the second
1	7030	,,,		R54	" -103		green to the state of
D44 D45	,,	,,	in the second	R55	" -104		3 200
l .	,,	,,	L. Alexander	R56	" -152	"	
D46		,,		R57	" -103	H 44"	Egg 1 - 1 gas a control fig. 1 - 6
D47	1SS133			R58	" -681		1 A L
				R59	" -103	"	
			jes je	R60	" -154		ggr var sør er
				R61	" -103	"	Name of the state
				R62	" -104		
1				R63	" -104	,,	50 170
			2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R64	" -104		and the second
				R65	" -104	"	A.D.(
	0001671021	CR	April 1997 Comment	R66	" -332	"	\$40.00 A 1.00 A
R 1	QRD167J-331	"		R67	" -332	"	Etha
R 2	" -102 " -104	"		R68	" -333	,,	
R 3	" -103	· ·		R69	" -333	.,	t. etc.
R 4	103	"		R70	" -182	"	
R 5	" -103	"		R71	" -822	,,	en e
R 6	" -103	"		R72	-104		Sec. 1
R 7	-103	"		R73	" -104	"	- [
R 8	" -103	"		R74	QVP4A0B-223	VR	
R 9	" -103	,,		R75	QRD167J-123	CR	
R10	" -103	"	1	R76	" -562	"	
R11	" -103	"		R77	QVP4A0B-103	VR	
R12	" -103	"		R78	QRD167J-563	CR	
R13	-103	"	Marie Control	R79	" -391	"	97.5
R14	" -103	, n	The second second	R80	" -333	"	
R15	" -103	"	Marie Committee	R81	" -333	,,	a Raman
R16	1 .	"		R82	" -333	,,	
R17	-100	"		R83	" -333	"	per a
R18	-222	,,		R84	-333	,,	at y
R19	-222	"		l:	" -104	"	
R20	-222	"		R85	" -104 " -104	,,	
R21	-222	"		R86	" -104	,,	
R22	" -103 " -103	100		R87	1 -10-		
R23	-100	"		R88	— QRD167J-103	CR	And April 1965 From
R24	-103	"		R89	I	ICH	
R25	-10-7			R90	" -103 " -103	,,	
R26	" -104	# # # # # # # # # # # # # # # # # # #		R91	" -103	,,	
R27	" -333	"	1	R92	-103	,,	n za sala
R28	" -103	"		R93	7/2	,,	
R29	" -151	"		R94	7/2	,,	, Land
R30	" -184	n n		R95	1 -4/2	"	
R31	472			R96	-4/2	,,	
R32	" -224	<u>"</u>		R97	-7/2	"	And the second of the second o
R33	" -222	"		R98	1 -4/2	"	Maria Maria
R34	_	-		R99	-4/2	",	
R35	QRD167J-103	CR	As the research of the offendament of the con-	R100	-472		

Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
R101	QRD167J-472	CR	303	R166	QRD167J-154	CR start	525 252 Balan
R102	" -472	" sp. 57	VENTANCINE TEN	R167	" -103	"	* 1490 P
R103	472	"	96s : 1 1 185s for	R168		"	8/220-5111
R104	′′ -472	· ·	7.0	R169	1	"	2 845
R105	" -472	# A4	CONTRACTOR OF STATE	R170	•	,	1 000
R106		".	And the second	R171		"	
R107	" -472	"	1 th 2	R172	-104	Talastiat.	1235 (WF) (CC
R108	-4/2	,,	549	R173	1 -104	"	新年的の報告時に関われ たよう
R109 R110			NO 1 1 1000	R174	-225		1 Pag. A.2.
R110	·· -472		1975 - 1975 1977 - 1975	R176		" 900x3 i	85. 0 \$867 - 8247
R112	<u> </u>		Maria Salah	R177	1	11	G282Y 1.11.
R113				R178	1		30.00
R114		· · · · · · · · · · · · · · · · · · ·	land make	R179	1	"	Military British British
R115		"	100 Sept.	R180		"	1 hangi
R116		"	at a distribution of the state	R181	" -104	H .	81.75
R117		"	No. 10 Marie	R182	" -224		. 10 m m m m m m m m m m m m m m m m m m
R118	" -221		de la companya de la	R183		"	And I have
R119		"	(4.6)	R184	· ·	"	
R120	" -221	"	100 No.	R185	F .	"	egy .
R121		-	(m)	R186	I .	<u>"</u>	1.1
R122		CR	1.0	R187		" "	11 8
R123	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R188	li .	","	
R124	1	-	No week	R189	-105	" "	
R125		CR	420.	R190	-105	\ ''	
R126	-2,22	,,	196 A	R191	-0110	"	
R127		1,,	- Spri	R192	-100		
R128	-10-	,,		R193 R194	-104	,,	1.
R129 R130	-004	"	100/5	R195	-100	"	
R131	-304		(1987) (5) (1987)	R196		n san	27 (78) (A-4 N T 2 AB 4 T
R132		n	V 2456	11130	-020		
R133	l l	"	usu Baras				
R134	1	"	lar en			1	
R135		"	24 - 24				ks.
R136							85
R137		"	Property of Assessment				Mr. Comment
R138		. "	at e				
R139		"	page 1 of the period of the	i i			20
R140	E .	"	TE MET HE STEEL				1 T T
R141		"	The state of the s)	EXB-P88104M	Resistor Array	
R142		# 17 17 17 17 17 17 17 17 17 17 17 17 17	And Anna Comment	RA 2	"	",	
R143	-222	1.	Application of the second	RA3		,,	7 - 2
R144	-222	"	120 March 120 Ma	RA 4	EXB-P84104M EXB-P88103M	,,	tan to
R145		,,		RA 6	1	"	
R146	-475	"		RA 7	"/	.,	
R148	-4/3	""	Barrier Congress	RA 8	"	"	
R149	The state of the s						
R150		"	dia mp. 1				
R151	1	<i>w</i> .	li de				
R152		"	18.		1		
R153		-	1000				di en e
R154		CR				-	
R155	1	"	Maria de la companya				er er b
R156	i .	",	general Samuel	C 1	QET41EM-476	E Cap	ėj. Gaž
R157	1	"	as'	C 2	QET41CM-476	"	
R158	1	"	the state of the s	C 3	" -476	"	× ,,
R159	' 1	"	State of the second	C 4	226	"	
R160		"	N. N. T.	C 5	QFN41HK-103	MY Cap	
R161	-555	,,	7941	C 6	" -103	,,,	5. · · · · · · · · · · · · · · · · · · ·
R162	4/2	, , , , , , , , , , , , , , , , , , ,	Min ver	C 7	-100	" :	Aria Jawa Arian Eria
R163	- 100			C 8	" -103 " -103	,,	200 £13 .
R164	-100	n	In a Marin M	C10	QFN41HJ-183	,,	to a salabati sa
	-4/2	1	2.3 S. S. S. S. S.	- 010	ZI 1411110-100	I	man na kanasa kata a salah sa

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Symbol No.	Part No.	Part Name	Description
140.	QFN41HK-154	MY Cap	82 (22 d) + C
C11 C12	" -103	ivi r. Cap	and the second
C12	QET41EM-475	E Cap	
C14	QET41HM-225	"	
C14	OCF11HP-473	C Cap segration	Series and the C
C16	QCS11HJ-220	"	
C17	" -220	"	- A
C17	QCF11HP-473	** · · ·	Approam F d
C19	" -473		
C20	·· -473	,,	
C21	" -473	"	1
C22			
C23	QET41HM-105	E Cap	
C24	_		
C25	QCF11HP-473	C Cap	*
C26	QFN41HK-104	MY Cap	51 page 55 (2001 / 2004)
C27	QCS11HJ-101	C Cap	War and the second
C28	QCF11HP-472	11	111 Jun 1811
C29	-472	.,,	No. 10
C30		_	The second second
C31	QCF11HP-473	C Cap	· · · · ·
C32	QCS11HJ-101	"	
C32	" -101	,,	
C34	QET41CM-476	E Cap	
	1	C Cap	The second of th
C35	QCS11HJ-221	E Cap	
C36	QET41CM-106	Cap	
C37	-100	,,	As No to the Children of the Control
C38	-100	,,	
C39	QET41HM-105		
C40	" -105	ŀ	(4.5) (2.4) (4.6) (4.7)
C41	QCF11HP-223	C Cap	
C42	" -223		The state of the s
C43	QFN41HK-154	MY Cap	1
C44	QET41CM-227	E Cap	
C45	QCF11HP-103	C Cap	
C46	QFN41HK-182	MY Cap	**
C47	" -124		
C48	QCS11HJ-101	C Cap	
C49	'' -101	"	to the second se
C50	QET41CM-227	E Cap	
C51	QCF11HP-103	C Cap	A SAN TO SAN
C52	QET41CM-107	E Cap	
C53	QCF11HP-103	C Cap	85.5
C54	_	_	A STATE OF THE STA
C55	_	_	
C56	_		
C57	_	_	
C58	_	- 1	The second secon
C59	QFN41HJ-103	MY Cap	A.:
C60	" -103	"	and the second
			(株)
			Language Company
			100
		1473	A Charles of the
			Sec. 662
		1	La Livia
		1,7.	MARLON MARLON
	DI 140500 074 1	Coil	
, ,		Coil	P - 2
L 1	PU48530-271J	,,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
L 2	" -271J	"	

Symbol No.	Part No.	Part Name	Description	raspa. Pr
1 1	PGZ00096-104		2658864 1 Da	
S 2 S 3	" -108 " -104		1811FAH16	21 03
	PGZ00003-2	IC Socket	for IC10	
1	PGZ00083 PGZ00331	"	- 984102242 (16 2.1662 (A6.4 A	
			S TOPOTORIES	ta.
X'TAL1	PU47931	Crystal	reiggoby. For	e. Sa
A 05 4	DUE 4000	Carraia Eilean		
	PU54060 PU49487	Ceramic Filter "	AV36784 01	
			hri Ofississa a gra	
CN 1 CN 2	PU43351-4 "-9	Cap. Housing		
CN 3	" -8R	"		
CN 4 CN 5	" -2	erine e de	The second	
CN 6 CN 7	" -2R " -10	a statement	Treat experience	
CN 8	" -3	reary (1 At	1214	
CN 9 CN10	′′ -9 ′′ -7	"	The second of the second	
CN11	" -10 " -9R	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
CN12 CN13	-9H '' -9	agotto ig	of the late	
CN14 CN15	" -12	,, <u> </u>		
CN16	PU43351-7	Cap. Housing	-	
CN17 CN18	'' -8 '' -7	u.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
CN19 CN20	′′ -3 ′′ -3R	"	The specific specific is the	
CN20	" -3Y	"		,
CN22 CN23	" -3 " -2	" "		
CN24	" -12R	"		
CN25 CN26	·· -7	"	A	
CN27 CN28	′′ -9Y ′′ -6	"	s.	
CN29	" -7	"		
CN30 CN31	— PU43351-7R	Cap. Housing		
[11.1.7 4 6.1	i (rendyger i i	**************************************
			1 7-2-1	
1	PGD30111 PGD30112	Syscon PWB Stay (2)	
	CRST20067	Screw	× 6	Ba _g (
	GBST3006Z	Sciew		
	PU54969-2	Wire Clamp		
	PU57545	Test Pin	111 1	
				w gyr
	•			

6.2.9 PRE/REC board ass'y 0 9 PGE20103A-03

Symbol No.	Part No.	Part Name	Descri	otion
IC 1	AN6392	Integrated Circuit		
IC 2	" HA11782			
ic 4	BA7021	" 4	1	
IC 5	HA11782	1945 No. 2010	C-18000205	
IC 6	TC4011BP	"	C4800(350) 141	
IC 7	BA7036LS	"	10000000	1
IC 8	TC4013BP	"		;
IC 9	TC4538BP	"		
IC10	M4030BP	,	1,561,677	S. Jacob
IC11	TC4538BP	,,		ľ
IC12	SN74LS628N	100 C C C C C C C C C C C C C C C C C C	v #0 (4)27 (0	70.2
IC13 IC14	MN3801	The second second second	apolitikasi kan sin	o di Septembri
IC14	AN607P			
1015	7110071			
		g 15 gdd 1 675 - 1 1 1 1 1 1 1 1 1		The second
				10 St. 7
			14.7	1 6
			1 .	D. But
Q 1	DTC114EF	D. Transistor		31 TE
0 2	"	. "		10.10
Q 3	2SB643R	Transistor	1 - 12	9.
Q 4	DTA144EF	D. Transistor		10
Q 5		",		
Q 6	DTA114EF	"		11. v .
Q 7	Į.	,,		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Q 8	DTA144EF	Transistor		1
Q 9 ·	2SC2647C	1 I dilisistoi	0.00	ACCEPTANTS Topics
Q11	,,			Section 1 Section
Q11	"		197 31 34	
Q13	"	"		
Q14	2SB641Q	,,	}	
Q15	2SC2647C	"		11.
Q16	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Q17		"		1.44
Q18	"	"		AND THE
Q19	"	"		7 2 2
Q20	"	"		
Q21	DTC114EF	D. Transistor		F 11
022	,,			
. 023	,,,	,,,		
Q24	DTC144EF	,,		
Q25 Q26	DTC114EF			11 m 2
Q27	"	"	1	
028	2SB641Q	Transistor	******	
Q29	"	"		
Q30	2SC2647C	· · · · · · · · · · · · · · · · · · ·		
Q31	2SB641Q	"	1977	
Q32	. ".	"		
033	2SC2647C	"		
Q34	" .	" - 1	100	
Q35	"			-
Q36	DTA114EF	D. Transistor		1
Q37	DTC144EF			
Q38	2SB641Q	Transistor	, semana e	
Q39	2SC2647C	,,		1
Q40	2SB641Q	"		.
Q41				
				.
			1	-
		•	1	1

		· .	Ţ
Symbol No.	Part No.	Part Name	Description
D 1	1SS133	Diode Link	
D 3	· ·	" (\$65.5)	With Color of the William Color
D 4 D 5	1SS133	_ , Diode &200	
D 6	"	<i>u</i>	Park Control of the C
D 8	MA27W(A)	" "	tige materiano i Barrillo. Sala di la Barri
D 3			14.50 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1 1.451.1
			the same
		Aguin Bhí	GIAMANAN KU KU
R 1	QVZ3506-102	VR STANK	
R 2 R 3	" -102 QRD161J-222	" CR	a san a war ne uriya ee
R 4	" -222	37	tina vilai
R 5 R 6	" -121 " -820	**	u remij planestram i na kolo
R 7 R 8	QRD161J-561 " -393	"	HT A TELL II.
R 9 R10	" -331 QVZ3506-102	VR	Albaka in tropicalistical Puri propositicalistical
R11	′′ -102	•	Expanded the second
R12 R13	ORD161J-222 " -222	CR	
R14 R15	" -121 " -820	<i>n</i>	Kr. Ann. v. eve. 1967 Kr. eve.
R16 R17	QRD161J-561 " -393	11 11	
R18	" -331	n	en de la maria de la companya de la
R19 R20	" -222 " -103	" "	
R21 R22	" -103 " -222	" (20) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	entropy and the state of the st
R23 R24	" -103 " -103	H** **********************************	
R25	" -103		
R26 R27	" -390 " -390	Section Section 1997	
R28 R29	" -3R9 " -3R9	$\frac{\mathbf{u}}{\mathbf{u}}$	197 - 197 -
R30 R31	" -122 " -122	<i>II</i>	. 4 9. 8
R32 R33	" -122	<i>II</i>	1 1/2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R34	" -122 " -223	• (g) Ved	
R35 R36	" -223 —	_	vijet i Vētiri
R37 R38	_ QVZ3506-222	– VR	
R39 R40	" -222	· II	
R41			
R42 R43	QRD161J-333 " -101	CR "	
R44 R45	QVZ3506-103 QRD161J-473	VR CR	
R46	" -222	" "	The Commence of the Commence o
R47	" -101	"	AV STATE OF THE ST
R49 R50	" -122 " -821	" "	

PRE/REC

1200140	V-5							PRE/REC
Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	17	Part Name	Description
R51	QRD161J-222	CR		R116	QRD161J-681	CR	202 p. G.	A CONTROL OF THE CONT
R52	_	_		R117	" -222	"	State of the	 A September 1980 declar 1988 declared in the control of the control
R53	_ ;	_		R118	" -682	"	<u>.</u>	
R54	QRD161J-183	CR		R119	" -222	"	4000	
R55	" -563	" ne(n)) -	i I	R120	" -223	"	ment of the	
R56	" -101	<i>n</i>		R121	" -273		Ges John	desagnon Sol 4 5
R57	" -221	· 400 30	ERBORTET ST	R122	" -123	. "	54001	195484839006
R58	" -272	(20a-3-13)	A CONTRACTOR OF THE STATE OF THE STATE OF	R123	QVZ3506-223	VR	GNETS IN	TO SEALCH STORY OF THE
R59	" -103	"	and Asia	R124	QRD161J-273	CR	-284 A A	ALSONALIA
R60	" -563	"		R125	" -223	"		
R61	″ -471	"	200 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	R126	" -273	"		Service of the Solphian Control
R62	QVZ3506-222	VR www.e.	TVI TVI "DETERMANN	R127	" -123	"	Spherick	-abelgaryspiel bro
R63	QRD161J-102	CR 5	g skripton syn o	R128	QVZ3506-223	VR	9877 77	alaba ser sekuri sepa sebasa
R64	" -221		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R129		CR	governi	The sand of the sand and
R65	" -101	"	1 4 4 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	R130	1	"	1. A. M.	
R66	QVZ3506-222	VR		R131	" -152	"	Seth Bij	· 医斯特勒氏管 医克勒氏管 医克勒氏 1965 - 1965 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 -
R67	QRD161J-471	CR	Berahala Makka Sikk	R132	1	"	Section 2	Som RALAD.
R68	" -221	"		R133	1	"		A CASHEN TO CA
R69	″ -183		TOTAL PRODUCT PEN	R134	1	"	45.7	Life (494.86), 415 (497.)
R70	" -563	"	Jacob Comment	l l	QVZ3506-222	VR	25, 5, 4	Street Additional Control
R71	" -152	"	AL SHIP STALL TWO	R136		CR		Distriction of the second
R72	" -561	<i>"</i>	e de la companya de l	R137	" -222			
R73	″ -681	"	- P. W. W. V	R138	-102	"	6.297.14	and the second second second
R74	" -102	"	[1] A.	R139	-103	;;		
R75	" -102	"	A THE CONTRACTOR STREET	R140	-105	,,		
R76	" -103	",	december of the second	R141		",		vii
R77	" -3R9	,	to the state of th	R142		ĺ		Tall
R78	" -3R9	"	100	R143	1	VR		Taring State
R79	" -223	"	\$48°.,	R144		CR	Gentle 1 .	The SA SA SA SA
R80	223	The second secon		R145	-100	;;		in j et″ de u
R81	QVZ3506-222	VR ALTERN	A COLOR SERVICIONES DE LA COMPANIONE DE LA COLOR DE LA	R146	-102	""		the second second
R82	-222		the second second	R147	-102	",		100
R83	. –			R148	-500	- 1	1,000	of Mark Market Burn Mark
R84	-	OD		.1	QVZ3506-222	VR		1 170 × 170
R85	QRD161J-333	CR	A secretary days	R150		CR.		44
R86	10.	VR		R151 R152	-105	, ,,	182	
R87	QVZ3506-103 QRD161J-103	1		R153	-392		AND THE	to for state of the state of th
R88	" -103	CR		R153			**** *** *	aller and a least to the second
R89	" -103	.,		R155	<u> </u>		_ :	
R90	" -103	"		1	QRD161J-103	CR		2240
R91	" -124	,,		R157	" -101	100		
R92 R93	" -103	"		R 158	-101	, ,	\$\$ 1 E 1	
R94	" -103	,,		R159		"	AMEDIA Saudi III	Maria di Maria di Cara di Maria di Galeria d
R95	" -103	"		R160				TAMBOOTE TO SEE
R96	" -103			R161	" -102	,,	560	
R97	" -103	H			QVZ3506-681	VR		
R98	" -103	# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		i	QRD161J-102	CR		Agrica Gyanasia and Patrick Services
R99	" -103	"		R164	i .	1"		Control of Salarania
R100		"	367	R165			· <u></u> ·	
1	QVZ3507-154	VR	94. S. C.	R166	QRD161J-102	CR		The same of the sa
R102	1	CR	4	R167	· _		še, T	World and District
R103	1	"		R168	QRD161J-563	CR		The second second
R104		"	And the second	R169	″ -103	"	19 12 A	A STATE OF THE STA
R105	j .	"	4 - 4	R170	" -102	"	ak J. O.	San a san a san a san a
R106	″ -103	"		R171	″ 471	"		
R107	″ -103	"	4 8/4, 18/4 14/4 (5 4 1 1	R172	" -102	"		
R108	-	(31 57 +	The street of the Salar Control	R173	" -102	"		Barton Charles desired
R109	- :	-		R174	′′ -562	"		
R110		VR	white services	R175	" -562	" .		A STATE OF THE STA
R111		"	Santa Caracter Control		·			
R112	QRD161J-472	CR	100					Market State of State of the St
R113		"	Burn Harris Brown Commencer					
R114		"		:		1	Exemple 1	Howards A.G. Weil
R115	" -333	**	<u>n a simplexo i</u>					Mit vay 🔝
	and the second s	and the second second second						

	8. 18. sugument <u>ing punisang 1988</u>	<u> </u>	Same and	<u> Landa - Newson Landa</u>	21 Burney	
Symbol No.	Part No.	Part Na	me	Descr	iption	#54
C 1	QCF31HP-223	C Cap	9	TO-LIFE OW	A Record	
C 2	" -223	",	6 1		1483 j. j. j. j. j. 1585 j. j. j. j. j.	
С3	QCS31HJ-220			stati drugter	्रेस्ट्राप्त संस्थान	1
C 4	QET61HM-105	E Cap	1	4.3 34.84 -		4
C 5	QCF31HP-103	C Cap		ere ere	19235	4
C 6	QET61CM-106	E Cap C Cap		ener State	An Shake	- 4
C 7	OCF31HP-223 QET61AM-476	1		ar Bi Silver bibliote isa ya	9.42	
C 9	QCF31HP-223	C Cap	e l	roselite og.		
C10	" -223	" "		1985 F	1961.34	
C11	QCS31HJ-220	"		Ass.	19. 19.00% - 19.	
C12	QET61HM-105	E Cap		3. S. 14.	danggaya Janggaya	
C13	QCF31HP-103	C Cap	4	grandskirt en	HERE F	
C14	QET61CM-106	E Cap	<i>A</i> . 1	Dagona (1884) (1884)	Fig. 88 194	
C15	QCF31HP-223	C Cap		Φ),		
C16	QET61AM-476	E Cap		HAN TO THE	19467.14	
C17	QCF31HP-223	C Cap	1	est o	3.00	.
C18	QET61AM-476	E Cap		\$75.	2.65+4	
C19	QCF31HP-223	C Cap		la deservación de la companya de la La companya de la co	and State of the S	
C20	QET60JM-476	E Cap		A. Say W. Say I am Say	The Charles	
C21	QET61HM-105	17 19	v.f		Tradition	
C22	′′ -105	"		Brens.		
C23	QCF31HP-223	C Cap			Take of the	
C24	-223	"				
C25	" -223	",		ere. Victoria de la compansión		
C26	" -223	",		and the second s		
C27	" -223					
C28	" -223			rateur i i i i i i i i i i i i i i i i i i i		
C29	QAT3001-017	T Cap		general de la companya de la company National de la companya de la compa		
C30	" -017			å	i Ligazia es	- 1
C31	 .	-				
C32	-	C Con	4	ing."		-
C33 C34	QCF31HP-223	C Cap		and the same		
C35						
C36	QCF31HP-223	C Cap			4 24 5 44	
C37	QET60JM-476	E Cap				
C38	QCF31HP-223	C Cap			115	
C39	" -223	"		•	130000	
C40	" -223	"				
C41	" -223	" "	3.1		1.70	
C42	QET60JM-476	E Cap		Nº 14	the Contract	
C43	QCF31HP-223	C Cap	-	ar in the		
C44	QET60JM-476	E Cap			Carrier Se	
C45	QCF31HP-223	C Cap			e gregories	
C46	" -103	"	- 1	د میں۔ مدا ایک د میں ا		
. C47	QCS31HJ-390	<i>H</i> 33			15014	
C48	QCF31HP-103	,,	7.1	a din languaren e sebest	各类器作品。	
C49	QCS31HJ-100			* c*	MARKET Taken of	
C50	-390	,,,	.	and in Japanes and		
C51	QCF31HP-103	I.		er en goden en		-
C52	QET60JM-476	E Cap		ing. Yagarin padan sang	na dise Na galakasa	
C53	QCF31HP-223	C Cap				
C54	QET60JM-476	E Cap		er Zer		
C55	OCF31HP-223	C Cap		54.		
C56	QCS31HJ-821	· "	-		Same	
C57	QCF31HP-223 QCS31HJ-820	,,			4 - 1 - 4 - 2	
C58			-	80	14.40	
C59	-020	,,	F	v.	100	
C60	OCF31HP-223 " -223	"	ł			
C61 C62	-223 QET61HM-105	E Cap				
C62	" -105	L Cap	İ			
C63	QAT3001-017	Т Сар			:	
1 00-			. :			
C65	'' -017	1				

	the second second		3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	PI	RE/REC
Symbol No.	Part No.	Part	Name	Descrip	otion
C66			1,20,20,31	er percen	
C67				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000
C68	_ ,;		_		T-Saak
C69			<u> </u>	million of the second	I MAN
C70	QCF31HP-223	C Cap		and the same	1 (p. 5)
C71	" -223	"		And The State of t	Section -
C72	QET60JM-476	E Cap		agragit - pro-	100
C73	QCF31HP-223	C Cap		tra.	1200194
C74	" -223	"		Garage Control	. Sept. (3)
C75	" -223	"	1	N/G	25.55
C76	" -223	. "		\\ \(\x_{2} \)	t soda
C77	QET60JM-476	E Cap	Par	SS-38984	4,73,5
C78	QCF31HP-223	C Cap	6034	mar pigan natio	1 (0) (2) (0)
C79	-223	,,		4.5	· mps)A
C80	QCS31HJ-470	,,	44.3		. 45%) 15969
C81 C82	" -391 QET61CM-106	E Can		1987 (1884) 1984 - 1884 (1884)	. tor
C82	" -106	E Cap	t and a	25 mm	. 508 5081
C84	QCS31HJ-391	C Cap			
C85	" -470	C Cap			No.
C86	QCF31HP-223	,,			
C87	" -223	,,			5.5.5
C88	" -223				
C89	QET60JM-476	E Cap			
C90	QCF31HP-223	C Cap		li i	pet at
C91	QCS31HJ-101	"		la constant	
C92	QFN31HK-683	MY Cap			199
C93	.152	"		. Dept	e gradie
C94	`:				145.7
C95	QET60JM-476	E Cap			10,5
C96	QCF31HP-223	C Cap	1800	Giranakan er	- 224 kV
C97	QCS31HJ-101			St. 1	
C98	QFN31HK-122	MY Cap			1.00
C99	QCS31HJ-470	C Cap			1,150
C100	QET60JM-476	E Cap		Jahren Berger	1800
C101	QCF31HP-223	C Cap			. San 2
C102	QET61AM-336	E Cap		Althornesis the	10 m
C103	QCF31HP-223	C Cap	\$10V	4.0 - 4.30 - 7.00	
C104	" -103 " 103	"			- 12
C105	-103	,,		N TV T	1,196.1
C106	-103				- 1
C107	″ -103	"			
C108		0.0	_		4,445
C109 C110	OCF31HP-103 " -103	C Cap			(44) 8596 - 1
C110	" -103	,,			2004
C111	QET60JM-476	E Cap			7.65
C112	QCF31HP-223	C Cap	1.3		918 160
C114	" -223	C Cap			ayar .
C115	" -103	,,			
C116	" -103	"	e _v	en distant et	1617
C117	103	"		4 - 78 - 1 W	
C118	" -103	"		1 at 1	3 to 1 to 1
C119	" -103	"		ah . I	22 4 5 PM
C120	" -103	"		e de la companya de l	
C121	" -103	"		100	Service 1
C122	QET60JM-476	E Cap		er :	est to
C123	QCF31HP-223	C Cap			N. C.
C124	" -223	"		1	Part I
C125	" -223	"		Balandrah balansir 🖓	33 1 F V
C126	" -103	"		[S]	
C127	" -103	"			1,71%
C128	QCS31HJ-220	"		A Sec	
C129	" -220	"		le .	
C130	QFN31HK-562	MY Cap		Section 1	9 8 1 9 60 J

				, SCHOLDS			PRE/REC
Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
C131	QCF31HP-223	C Cap	(5% \$6% (% 65%) 1 % 66% ()	SW 1	PU49847	Slide Switch	\$\$4.4.4.5kg + 100.
C132	QET60JM-476	E Cap					MARANTE P
C133	QCF31HP-223	C Cap				\$4	
C134	OCS31HJ-151	"	(mdy()) = 1	: 1	PU43351-2Y	Cap. Housing	STATE OF THE STATE
C135	QCF31HP-223	",	l dat:	CN 2			TRANSPORT (L
C136	" -223 " -223	"	Notes	CN 3	i		1796-2759
C137	QFN31HK-103	MY Cap	0.990	CN 5	1		1.0
C139	QCF31HP-223	C Cap	100 mg 10 j 98% m	CN 6		_	特别会在 ,他们在
C140	QCS31HJ-220	"	4000	CN 7	PU43351-4R	Cap. Housing	9811.
C141	" -220	Makeanto.	574-681a,60 (mil. + -)	CN 8	l .	"	TOTAL CONTRACT OF THE
C142	OCF31HP-223	"	1 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CN 9			・ 一直の作品を入りました。 と、これには、1
C143 C144	_	11 2 th 12 12 12 12 12 12 12 12 12 12 12 12 12		. I	PU43351-2R "-2	Cap. Housing	Mariting Control
C144		_	stellar.	CN11 CN12	-2	,,	A A Life Buckey of the con-
C146	QET61HM-105	E Cap	,54°C - 1	CN12	1		proceeds now thing
C147	QCS31HJ-101 "-330	C Cap	1 (4) 1 (2)	CN14	1	"	A STATE OF THE STA
C148 C149	-330 " -330	"	data.	CN15	I .	"	12 18 18 18 18 18 18 18 18 18 18 18 18 18
C150	" -330	"	(38) j	CN16	" -2Y	"	A SECURE A CONTRACT OF THE SECURE AS A SEC
C151	" -330 QCF31HP-223	"	9 (4.5%) 20 (4.6%) (1.5%) (1.5%)			-	
C152		MY Cap	10 10 10 10 10 10 10 10 10 10 10 10 10 1				
C154	" -124	· ·	- 1-		PU50737-02	Shield Case (1)	
C155		C Cap	**************************************		PU50738-1-1	" (2)	
C156	.223	j de ^{rr} ere molijiku	1878 THE SMITH		BUIGAAAE		
EQ 1	PU48515-2	Equalizer:	je ngot ngisi i intid 18 mat i kalingsis		PU21415	Center Stay	
LPF 1	PU48517-4	Low Pass Filter	15.0		PU54983	Test Point	TP1-25
		\$5.5 etg.ph/\$5.5	hybrach Value — Au				A CARLEST
							A Here
L 1	PU48530-221J	Peaking Coil	5.675.				
L 2	" -221J PGZ00653-100K	.,		1		•	1 14 12 12 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15
L 3	" -100K	,,					
L 5	PU48530-221J	. "					
L 6	" -221J	"	, '				
L 7	" -221J	"					
L 8	" -820J	"					- 140 mg g
L 9	" -560J " -270J	"	N/A Lig				
L10	" -221J	,,				g disespection of	
L12	" -560J	"					
L13	" -221J	"					
L14	" -221J	!! ?					
L15	" -221J	"					
L16	" -220J " -220J	"	a diagnostición			A final s	A STATE OF THE STA
L17	" -221J					17 (17) 2 (17)	16.88% (3.65 - 55)
L19	" -221J	"				European Edward	
L20	" -221J	,,					r calculate is
L21	" -221J	"					a see see a see suite production
L22	" -221J			1			#/ ·
L23	" -221J " -560J	,,,					Elektrich St.
L24 L25	-560J " -821J	"	4 , 1			4	a a maka sa wa a sa
L25	" -221J	. "					e 41.4
L27	" -470K	"	Agen	1			l vita
L28	_	_					
L29	PU48530-150K	Peaking Coil	, 5, 80.				La Republica Communication of the Communication of
L30	" -150K	,	W			1 50 1 50 1 50 1 50 1 50 1 50 1 50 1 50	
L31 L32	" -150K " -150K	,,				to starte	to the Rest (Association)
L32	" -150K		1,24				245
			r takana			<u> </u>	V/90
		L		·			·

6.2.10 Color board ass'y 1 0 PGA20104A-03

Sy	mbol	Part No.	 Part Name	Description
H	No.		 Integrated Circuit	
	IC 1 IC 2	BA7021 AN607P	Integrated Circuit	LANGUAGE COMPANY
	IC 3	HA11756		
	IC 4 IC 5	TA78009AP TA78005AP		
	IC 5	BA7021	" "	
	IC 7	,, ,,	"	(N. 1873)
	IC 8	BA401		
	IC10	"	geralit eft.	981 1 1900 C 198
	IC11	AN607P	" "	8 352
	IC12 IC13	BA7021 AN607P	en en gelige bliggt ger	(C. 2000) Participation of the Company of the Compa
	IC14	"	"	31 1 90st
	IC15	BA401	"	
	IC16 IC17	AN614 BA7021	"	78 1 200 g 200 g 200 g
	IC18	UPD4528BC	"	t Bed
200	IC19	AN607P	. "	98860
			tyres erits rår	Control of the contro
			grade to the said of	4. 7
		1000	1 10 4.5	91.4%
	Q 1	2SC2647C	Transistor	
	Q 2 Q 3	. "	",	
	Q 4	"	,,	
	Q 5	2SB761P,Q	"	
	Q 6 Q 7	DTA114EF	D. Transistor	
	0.8	"	"	
	Q 9	"	" Transistor	
	Q10 Q11	2SC2647C 2SB641Q	ransistor "	
	Q12	"	, ,,	
	013	DTC114EF	D. Transistor Transistor	
	Q14 Q15	2SC2647C	" "	·
	Q16		"	
1	Q17 Q18	",	"	
	Q19	DTC114EF	D. Transistor	
	Q20	2SC2647C	Transistor	
	Q21 Q22	DTC144EF 2SC2647C	D. Transistor Transistor	
	Q23	2SK30A-0Y	"	
	024	2SC2647C	,,	
	Q25 Q26	2SB641Q	,,	
	Q27	2SC2647C	"	
	Q28 Q29	" "	"	
-	Q30	,,		
	Q31	"	"	
	Q32 Q33	2SB641Q DTC114EF	D. Transistor	
	Q34	2SB641Q	Transistor	
	Q35	2SC2647C		
	Q36 Q37	.,	,,	
-	Q38		 	and the second s
	Q39 Q40	" "	"	
Ŀ	40	1		

Symbol No.	Part No.	Part Name	Description
Q41	2SC2647C	Transistor	
Q42	"	" design to	and the state of t
Q43	**	"	The first of the second state of the second
Q44		"	1 19 19 19 85 DESCENDEN
Q45			
Q46	.,	"	A free to the second of the se
Q47	n e	"	Mar Baile d
Q48	**	Chair atta	kal an identi-kale
Q49	DTC114EF	D. Transistor	
Q50	**	"	阿尔马州阿尔西哥 1994
Q51	2SC2647C	Transistor	Special control of
Q52	-	-	
Q53 Q54	2SC2647C	Transistor	1 1 1 1 1 1 1 1 1 1 1 1
Q55	,,	,,	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Q56	,,	<i>u</i>	
Q57	"	"	
Q58	"	"	
Q59		"	Total
Q60	"		
Q61 Q62	 2SC2647C	Transistor	
Q62 Q63	25026470	i ransistor	
Q64	"	"	
Q65	"	" , , , , , ,	
Q66 Q67	DTC144EF	D. Transistor	t py
Q68	2SC2647C	Transistor	¥
Q69 Q70	DTC144EF	D. Transistor	1 Gr C 1
Q71	2SB643R	Transistor	
	-		
		10 mm 30 f	1.00
D 1	1SS133	Diode	
D 2	"	"	Aurilla (a. 1906) and a company of the company of t
D 3	,,,	"	
D 4	,,	",	A 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
D 5	,,	"	
D 6	,,	"	
D 7 D 8	MA27W(A)	"	
D 8	1SS93	"	
D10	15595		
D10	,,	"	
D11	"	· "	·*
D12	RD3.3EB2	Z. Diode	
D14	1SS135	Diode	
D15	"	"	and the second s
D16	1SS133	"	
D17	"	"	
D18	"	"	
D19	"	"	
D20	"	"	
D21	er e	"	· - -
D22		"	
D23	"	"	i and
D24		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	18
D25	"	"	10
D26	"	"	
D27	,,	",	- N
D28	"		+ + + + 1/2 (25/4/2 / Fr.
D29	,,	,,,	
D30	"	"	The LEFT CO.
D31 D32	"	"	
D32	 	"	
D33		· · · · · · · · · · · · · · · · · · ·	
D35	"	"	
200			

COLOR

Symbol	Part No.	Pa	rt Name	Descripti	on
No.			And the second	1000 CV2 C020	
R 1	ORD161J-681	CR "	Single States		MARTINE R
R 2	" -682 " -123	" .		Loop, and the Salar	Verilla Quality
R 3	" -102	,,	+ +		gere e
R 4	" -391	"	* :		titatin il
R 6	-591 " -681	"		145v J.	aaf 1
R 7	" -122	"			STORY I
R 8	" -223	"	+ 3 ·	4000 Feb.	SQ\$\$46 - 1
R 9	QVZ3506-102	VR	100	1	ordina 1
R10	" -102	"		901 1	24.25.25
R11	" -222	"		1	ides in a
R12	QRD161J-560	CR	1.1.	V36	TORSE.
R13	" -153	. "	14.13.1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
R14	" -102	\\ ''	Miles V	Address, subjects whether	\$405.80 Te
R15	" -153	",	4. 4. 4.4	Steller grand Linguistic in	podaviše iz Podavije izv
R16	" -332 " 102	"			2450 B
R17	-102	",	14.00	less.	
R18	-102	"		furdia.	\$44.54
R19	" -103 " -104	,,			71 57
R20	-104	"		In Section 1	1 1 NY
R22	QRD167J-223	"			4.15
R23	" -122	"		344	8
R24	" -122	n .			San e
R25	" -153	"		Marine Land 1.	7 - 4 - 4 - 1
R26	" -822	"		1,54	u ±åuåa Rojaust ti
R27	" -102	"		(0)	4 T 1 T
R28	″ -101	",		- 335	eres l
R29	" -101	"		1,100	14.14 <i>3</i>
R30	-103	,,		Estimate 1	1.367+4
R31 R32	" -103 " -103	,,		1.30	
R32	" -393	"			
R34	" -102	ii			The specific
R35	" -223	"		100 000 000 000	Andrew .
R36	" -222	"		1 ×	#1. 4.1
R37	" -102	"		MAL .	27 a 28 a 2
R38	" -102	"		Table 1	100 x 10 150 0
R39	" -101	"		() () () () () () () () () ()	
R40	QVZ3506-102	VR		Cast C	200
R41	QRD161J-103	CR		15.2	S4 53
R42	" -222	" "		144.8	34.7.4
R43	-105	4			
R44	QVZ3506-222	VR CR		9091	24 2 2 2
R45 R46		CH	_		
R46	QVZ3506-102	VR			C08025 PX
R48		CR	. 1	English Control	OMOTION IN
R49		"			9-8-1-10 E
R50	1	"	at y		Google .
R51	" -103	"		575	18 F
R52	_		- .	8.3	Table 1 Taggist
R53	1	CR		17/v	200 m
R54		"		Rough	7 26 Jan.
R55	_	\\\',			300.0
R56		",	* 4		
R57	-223	",	and U	Gay to a roy of four	- 1
R58	-271	",		San San San	
R59	-551	,,		Tapa 15 kilomat Tapahak Silagah pemerinan 18 kilomat	1.15
R60 R61	1	,,	ty William To	Si yake sabilitah i dilik	÷
R62	1 .		n v <u>ar</u> joj	AT PRIVING	
R63		CR			
R64	-274	"		TOTAL STATE OF	
R65		"		News, and retails the artificial field from Anyther the proper and fight the field for	14 VI 3
<u> </u>			Value of the Control	garante de la companya del companya de la companya del companya de la companya de	

<u> </u>			100 100 100		The Control of State against	ा
Sy	mbol No.	Part No.	Part	Name	Description	
3	R66	QVZ3506-223	VR	gyy (
3	R67	" -223	"	Fig.	SARE LOOK A MENTEN	
A S	R68	" -103	"	1.4		1
d.	R69	QRD161J-102	CR		State of the state	-
	R70	" -274	"	Heli 1	Carried Control Delication	
	R71	" -472	"	77.	ALCO DE COMPANS	١
	R72	" -332	"	\$15.1 c	AND PROPERTY OF A STATE OF	1
	R72	QRV143F-3241	"	73.JH	to the terminal and another than the	-
	R73	" -102	"	7 L	Add Tollyward	
J.	R74	- 1		_	estra poble	
	R75	QRD167J-331	CR		religión la laboración la laboración la laboración labo	ļ
	R76	" -681	"			
	R77	-		- :	langanin selapan dan	
	R79	" -103	"		1880 Balkerin and the Con-	-
	R80	" -103	"			ļ
	R81	" -103	"		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	R82	" -562	"			
	R83	" -102	"			
4	R84	" -562	"	Mary .	Non-year Alvandaria	
	R85	" -272	"		And the state of t	
	R86	QRD167J-821	"			
	R87					-
	R88	QRD161J-562	CR		1 to 1 to 1 to 2 to 2 to 2 to 2 to 2 to	
	R89	′′ -151	"			
	R90	QRD167J-152	" "		10 10 10 10 10 10 10 10 10 10 10 10 10 1	
	R91	_		 140	(1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1)	
	R92	QRD161J-682	CR .		\$10	
	R93	′′ -123	"		State Section 1	
	R94	QRD167J-472	"		Table 1	
	R95	QRD161J-102	"		1.00	,
ŀ	R96	QRD167J-471	"	,A	March 1 September 1	
ļ	R97	" -153	" .		17.5	
٠	R98	" -223	"		170 TO 170 TO	
	R99	" -152	"		No. of the second	-
	R100	" -681	"		10 M	
	R101	QVZ3506-681	VR		, \$500 p. 100	
	R102	QRD161J-820	CR		2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
l	R103	" -391	"		2.5 F	
	R104	" -391	"		ENG. 1 100 1 1 1 1 1 1 1	
-	R105	" -102	"			
	R106	" -471	"		And the state of t	
	R107	" -103	"	¥131	Same William De Colle	
	R108	" -223	"	34.50	TO THE PROPERTY OF THE PARTY	
	R109	" -221	" .		Steel askertick com-	
	R110	" -152	"	•	100 mg 100 mg 100	
	R111	" -102	"		The same of the sa	
	R112	" -152	"		15 July 1 15 July 1	
	R113	" -561	"		Topy and the second of the sec	
	R114	QRD167J-222	CR		Section 1988	
	R115	QRD161J-222	CR			
	R116	" -152	"		Mark Company	
	R117	" -561	"		Estate to November 1	
	R118	" -561	"		enter capacitation	
	R119	" -222	"		No. of the state o	
	R120	" -101	!!		Contraction of the Contract of	
	R121	" -103	"	-211	10.004.004.04	
ŀ	R122	′′ -103	"		1 1 4 4 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
	R123	" -103	"	.,1	Table W. F.	
	R124	_		_	REST OF THE PARTY OF	
	R125	QRD161J-681	CR		Exercise Systems	
,	R126	" -102	"		(45 L) Let 4:	
	R127	" -102	"	a f	680	
.3	R128	" -102	"		1,25 T west of	
1 /	R129	″ -102	"		No. 1 Sept 1.	
	1					
	R130	" -561	"			

R132 QRD161J-332 CR R133 " -103 " R134 " -103 " R135 QVZ3506-682 VR R136 QRD161J-101 CR R137 QVZ3506-103 VR R138 QRD161J-221 CR R139 " -103 " R140 " -103 " R141 " -103 " R206 " -104 " R207 " -104 " R208 " -104 " R209 " -104 "	### 1	
R132 QRD161J-332 CR R133 " -103 " R198 R134 " -103 " R199 R135 QVZ3506-682 VR R136 QRD161J-101 CR R137 QVZ3506-103 VR R138 QRD161J-221 CR R139 " -103 " R202 R139 " -103 " R203 R140 " -103 " R204 R141 " -103 " R205 R142 " -103 " R206 R143 " -560 " R208 R144 QRD167J-391 " R209 R145 QRD161J-473 " R209		
R133	SEA THE SEA TH	1 20 13 13 13 13 13 13 13 13 13 13 13 13 13
R134	2006 2006 2007 2007 2008 2008 2008 2008 2008 2008	1 20 13 13 13 13 13 13 13 13 13 13 13 13 13
R136 QV23506-082 VII	1988 28.4 1980 1990 1994 1994 1995 1995 1995 1995 1995 1995	1 20 18 1 19 20 2 19 20 2 10 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
R137 QVZ3506-103 VR R138 QRD161J-221 CR R139 " -103 " R204 " -103 " R205 " -104 " R205 " -104 " R205 " -104 " R205 " -103 " R206 " -103 " R206 " -103 " R207 " -562 " R208 QVZ3506-104 VR R141 QRD167J-391 " R209 QRD161J-562 CR R145 QRD161J-473 " R209 QRD161J-562 CR	28 4 88 5 88 6 88 6 88 6 88 7 88 7 88 7 88 8 88 8	Final Section (1997)
R138 QRD161J-221	FROM STANDARD STANDAR	Harrier Britan
R139 " -103 "	Processing Services of Service	Harrier Britan
R140 " -103 " R205 " -104 " R205 " -104 " R205 " -104 " R205 " -104 " R206 " -103 " R207 " -562 " R208 QVZ3506-104 VR R209 QRD161J-562 CR R209 QRD161J-562 CR R210 " -103 "	SADA - SA	ADADA Maria
R141 " -103 " R206 " -103 " R142 " -103 " F207 " -562 " F208 QVZ3506-104 VR R144 QRD167J-391 " R209 QRD161J-562 CR R210 " -103 " F209 QRD161J-562	Andrew Agent	to a state
R142 " -103 "	Andrews of South	
R143 " -560 " R208 QVZ3506-104 VR R144 QRD167J-391 " R209 QRD161J-562 CR R145 QRD161J-473 " -103 "	lia.	
R145 QRD161J-473 " R210 " -103 "		1. 1.141
R145 QRD161J-473 " R210 " -103 "		er illis
R146 " -473 " R211 QVZ3506-104 VR	P. W. C.	n en
	344	\$ F
R147 " -152 " R212 QRD161J-103 CR	in the second	
R148 QVZ3506-102 VH	544	1000
R149 QRD161J-332 CR R215 " -103 "	¥ -	82.
R150	900	
R151 " -221 "	A STATE OF THE STA	
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H193 -001 -001	\$40.0	
R155 —	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
R156 QRD161J-102 CR R222 " -102 "		4
B157 " -272 " S35 B11940 S05 R223 " -182 "	N - A -	
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P150 " -103 " -223 "	10-1	eti. e
R160 " -223 " R26 S26 S26 S26 R227 " -103 "	£0.	viš.
* R161 " -103 "	1	
R162	-	**
R163 " -102 " R230	<u>-</u> \$556	
H164 -102	_ [§**	
R105 -102 -102 -102 -103 -103 -103 -103 -103 -103 -103 -103	during grave	e bje
R166	Suite of the second	
R168 " -333 " R235 " -332 "		
R169 " -333 " R236 " -272 "		
R170 " -102 " R237	\$1.79	y sa tradition
R171 " -560 "	Land Control	1.00
R172 QVZ3506-222 VR R173 QRD161J-102 CR R239 " -821 " R240 " -473 "	S	
R174 DVZ3506-102 VR R241 " -103 "	7.7	10.5
R175 ORD161J-102 CR	San 1997	28 - 20
R176 " -103 " " " " " " " " " " " " " " " " " " "	1996 N. C. C. C.	
R177 " -471 "		45.
R178 " -103 " R246 " -471 "	erik (n. 1925) Programmer (n. 1925)	
R247 " -471 "	Mariana Sanasan Mariana	All de la servición de la serv
R180 — R248 — — — — — — — — — — — — — — — — — — —		
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R183 " -223 " R251 " -123 "	800.00	
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R185 " -222 " R266 " -332 "	3	Seg. 1
R186 QVZ3506-331 VR R268 " -222 " "	* ##C	1 60
R187 QRD161J-332 CR	est .	1903
R188 " -152 " C 1 QCS31HJ-560 C Cap	3	7.3
R189 " -223 " C 2 " -560 "	25.52	$i^{al_i F \pi^{aa}}$
R190 " -223 " C 3 QCF31HP-103 " C 4 QCS31H L101 "	i dat .	2:45.7 2:45.7
H[9] -4/1	15.50	100
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NATIONAL PROPERTY.	1.000 - 1.000
P104 " 223 " C 7 QET61CM-226 "	Salar Salar	, turker i Seri
P105 " 103 " C 8 QCF31HP-103 "	3843	9 (25 c)
[800
C10 QCS31HJ-151 "	and the second second	<u> </u>

Sym No		Part No.	Part Name	1.100	中华	Descript	ion
C	11	QET61CM-106	E Cap			CJUAUT.	Sec. 1
	12	QCF31HP-223	C Cap	i i i i i i	₹.		45.5
	13	QET60JM-476	E Cap	6 WW			Se
	14	QCF31HP-103	C Cap	\$ 110			ng i
_	15	QFN31HK-102	MY Cap	81,78			N. 3. 11
	16	QCS31HJ-68O	C Cap	Similar			385
		QET61EM-475	E Cap	4 L G			6
	17		MY Cap			42800 (A4)	
1	18	QFN31HK-562	1	1			i de la companya de l
	19	QCF31HP-103	C Cap E Cap	20.00		Samuel Commencer	
	20	QET61EM-475	1 '	13.0		BEIEREN EFF	
	21	QCF31HP-223	C Cap				
C	22	" -223	gura Maurovi II. Kurvi II		100 /	Organization of the	
, .C	23	-103	" "				
. C	24	QET60JM-476	E Cap				e Sill Address
С	25	QCF31HP-223	C Cap				- - 6 (918)
. c	26	QET61CM-476	E Cap		6		200
	27	QET61AM-476	"				1. 18th
	28	QET61CM-476					
	29	QET60JM-107	"				
			,,		2		
	30	7,0					
	31	QCF31HP-223	C Cap				
	32	" -223					
С	33	_					
С	34	QET61HM-105	E Cap				
С	35	QET60JM-476	. "				15 M. M.
	36	QCF31HP-223	C Cap	1			
	37	QET61HM-105	E Cap	l			
			l .	-			
	:38	QCF31HP-223	C Cap	1			
	:39	QET60JM-476	E Cap				8 (8)
С	40	QET41CM-106	E Cap				
. C	41	QET61CM-226	C Cap	-			1.75%
С	:42	′′ -226	"				
	43	QET61HM-105	E Cap				
_	44	QCF31HP-223	C Cap	l			
_	45	QET60JM-476	E Cap	1			
			C Cap	.			
	:46	QCS31HJ-331	1	ŀ			
	47	QET61CM-476	E Cap	l			
C	48	QET61HM-335	"Pergalation for	ŀ	311	radio di adi	
C	49	-335	2017 NV - 800 -			de la	
C	50	" -105	" and the first			Maria de	
c	51	QET60JM-227	"	ł			
ı	:52	QCF31HP-223	C-Cap				
_		QFN31HK-224	MY Cap				
	553		C Cap				
	54	OCF31HP-103	C Cap				
	555	1 -220	1000	-			
	56	QFN31HK-472	MY Cap				
C	57	" -223	1				
	58	QFN41HK-124	"				
_ c	59		_				
1	60	QCS31HJ-180	C Cap				
l	61	" -180	"				
l	62	" -470	,,			,	
		ł.	F Can				
į.	63	QET61CM-106	E Cap				
	64	QFN31HK-104	MY Cap				
	65	QFN41HK-222	"				
. C	66	QCF31HP-223	C Cap				
	67	QET61AM-336	E Cap				
j	68	QET61CM-106	,,'				
1	69	" -106	"				
1		-,00	MY Cap				
1	70	QFN31HK-333	ινι ι Caρ				
1	71	-550		1			
	72	QET60JM-476	E Cap				
1		QCF31HP-223	C Cap				
1	73	QC1 01111 -220					
. c	:73 :74	" -223					

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Sy	mbol No.	Part No.	Part Name	Description
	C76	QCF31HP-223	C Cap	NEW TENED (TEN
:	C77	" -223	n	Mark Street
	C78	QET60JM-476	E Cap Marie 1	43-94496340 1444
	C79	QCF31HP-223	C Cap	
	C80		_	
	C81	QCS31HJ-221	C Cap	
	C82 C83	QCF31HP-103 " -103	,,	Marine 1 September 2 September 2 Marine 1 September 2
	C84	" -103	" (No. 1)	oka-kasidi Nijento
	C85	" -472	"	[5]
	C86	" -103	"	e in the second
	C87	'' -223	. "	task to co
	C88	QET60JM-476	E Cap	and the state of
	C89	QET61CM-476		Page 1
	C90	QCF31HP-103	C Capania and	aus de l'eliment de la
	C91	QET61CM-476	E Cap	304-679 (37310), 671-1
	C92 C93	QCF31HP-223 QCS31HJ-391	C Cap rein view	Caregogia Agyeria (A. 1944)
	C94	QCF31HP-223		Maria de la seria della seria
	C95	-223		And the second of the plant of the second
	C96	QET60JM-476	E Cap	Talk along they are a region
	C97	QET61HM-225	н	N. 3
	C98	QET61CM-476	"	end from the part of
	C99	QCF31HP-223	C Cap	
	C100		E Cap	
	C101	QET60JM-476	garation many	ukga Pala II jemi in Tilaki
	C102	1	C Cap	with the transfer
	C103 C104	" -103 " -103	,,	4 / 25 / 14 / 12 / 12 / 12 / 12 / 12 / 12 / 12
	C105	" -103	n American	graduation of the second
	C106	223	y n	e wastrown 196
	C107	QET60JM-476	E Cap	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	C108	QCF31HP-103	C Cap	
	C109	" -223		
	C110	QET60JM-476	E Cap	
	C111	QCF31HP-223	C Cap	
	C112	QCS31HJ-390		
	C113		E Cap C Cap	and the second
	C115	QET61HM-335	E Cap	grant to the second
	C116		C Cap	
	C117	QET60JM-476	E Cap	
	C118	QCS31HJ-471	C Cap	
		QCF31HP-223	."	28 (1944)
	C120		E Cap	
	C121		C Cap	
	C123			
	C124	1		19
	C125		"	
	C126	QET60JM-476	E Cap	N + 1
	C127	QCF31HP-103	C Cap	and the state of
	C128	į vardas paras	. **	with the second second
	C129	1	MY Cap	
	C130		E Cap	£**
	C131 C132		C Cap	Fig. 1
	C132		E Cap C Cap	Companies a sinter and
	C134		E Cap	STATE OF STATE
	C135		C Cap	The many of the second of the
	C136		E Cap	ere aptrastrue tra
	C137	QET61HM-105	"	· Common of the
	C138	QET61AM-107	n ·	1389
	C139			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	C140	QFN31HK-683	MY Cap	

Symbol No. Part No. Part Name Descript C141 QFN31HK-333 MY Cap " C142 " -473 " C143 QET60JM-476 E Cap C144 QCF31HP-223 C Cap C145 " -223 " C146 QET41CM-106 E Cap C147 QET61HM-105 " C148 QET60JM-476 " C149 QCF31HP-223 C Cap C150 — —	
C142 " -473 " E Cap C Cap " C146 QET61HM-105 C148 QET60JM-476 " C149 QCF31HP-223 C Cap " C146 QET61HM-105 C148 QET60JM-476 C149 QCF31HP-223 C Cap " C149 QCF31HP-223 C Cap	2000 2000 2000 2000 2000 2000 2000 200
C144 QCF31HP-223 C Cap C145 " -223 " C146 QET41CM-106 E Cap C147 QET61HM-105 " C148 QET60JM-476 " C149 QCF31HP-223 C Cap	000 000 000 000 000 000 000 000 000 00
C146	- 2 第3 - 2 第3 - 2 第3 - 3 2 5 - 3 2 5
C148 QET60JM-476 " C149 QCF31HP-223 C Cap	686 460 687 887
- 1	Sept.
C151 – –	
C152 — — — — — — — — — — — — — — — — — — —	\$200
C155 QFN41HJ-103 MY Cap C156 QET61CM-106 E Cap C157 QFN41HJ-563 MY Cap	064 772 8 80 28 7
C158 QFN41HK-124 C159 QET41CM-475 E Cap	
C169 QFN41HK-103 MY Cap C170 " -103 "	1987 s. 1 - 12
C171 QCF11HP-223 C Cap	#47. #1.
BPF 1 PGZ00182 Band Pass Filter BPF 2 PU54410-2 " BPF 3 PGZ00191 "	
EQ 1 PU48515-5 Equilizer	32 ; 1 ;
LPF 1 PGZ00181 Low Pass Filter	an en Spanne Va
	90). General
DL 1 PU46321-4A Delay Line Delay Line "	
	A S.
L 1 PU48530-221J Peaking Coil "-221J "	
L 3 " -221J "	
L 5. " -221J "	
L 8 " -221J " " A 2 2 1 1 1 1 1 2 2 2 1 2 2 2 2 2 2 2 2	Ald News
L10 PU48530-221J Peaking Coil L11 " -221J " " -221J " " " " " " " " " " " " " " " " " " "	Section 1
L13 " -221J " "	
L15 PU46003-6R8	
L18 PU48530-221J "	ega (f. e.) e Aurelia versione
L20	

Symbol No.	Part No.	Part Name	Description
L23	PU48530-221JZ	Peaking Coil	MANAGERIA
L24	" -221JZ	" 1887.25	CASTANTE TOOL, STO
L25	" -100KZ	Choke Coil	8 AVENOGRAPH AND
L26	" -101KZ	Peaking Coil	METALLISTIC NO.
L27	" -221JZ	West Asset	Mary Mary College
L28	" -221JZ	" #J 128	A Shirthey beed designation in the con-
L29	" -221JZ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MANAGAPAKI, NO
L30	PGZ00121-102	AMERICAN STREET	(58 net (1899) 340
L31	_	100 ÷ 100 ;	BOAT HAMBER OF THE CONTRACT
L32	PU30284-28R	Coil	The beautiful and
•		236 A	SCHOOL STATE
CN 1	PU43351-2	Cap. Housing	ela 7 suu
CN 2	" -2	n	273
CN 3	" -2	· Copply in	Skipe organizacji i dovi
CN 4	" -2	"G.43 %	ESSONAL SURVEY SALES
CN 5	" -2	10 mag 20 117	and the second second
CN 6	" -2	,,	May apple to be seen in the
CN 7	" -2	"	LAW LATER DE
CN 8	" -2		KIND MALEN OF STATE
	" -2	,,	
CN 9	_	H. Marine and	
CN J		11 ·	1 A 4 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
CN11	-4	, ,,	Fart to the second
CN12	-10		
CN13	[-5	**	The State of the same of the same
CN14	" -6	"	de Manter
CN15	"-5	<i>H</i> _{1,} ,	ENET of the Artifact of the Ar
CN16	" -2	· · · · · · · · · · · · · · · · · · ·	to a law a said applies of the
CN17	" -2	n seem	· 数据 集中的 "是一次的
CN18	" -3	"	off weterware of the
CN19	" -2	"	ng GBBD no like in 1995
CN20	" -3	" definition	a <mark>lagon supposante al lineari</mark>
			La.
			Land the state
		125-	of sections of the
	PU54983	Test Pin	TP2-26
	1 00 1000	TOSET III	11.2.20
	PGZ00150	TR Spacer	for Q5
	PU41624-6	Isolat Washer	101 23
	PU49485	Wire Clamp	grand and the state of the stat
	1 0 10 100	Wile Clarity	A STATE OF THE STA
			100000000000000000000000000000000000000
			The state of the s
		178	Francisco S. A. Carlos Carlos
			1.00
	-		A Company of the Company
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			12 1 HEAT STATE
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		1	SW County County
			Programme and section
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			e Paris Nasa Cela Maria Celama Cart Se Artesaria
		and the second s	er (122) (123) (123) er (123) (123) (123) er (123) (123) (123) er (123) (123)
		and the second s	
			en e Dau (1975) Carante en

6.2.11 Junction board ass'y 11 1 PGE30002B-01

Symbol No.	Part No.	Part Name	Description
IC 1	HD14021B	Integrated Circuit	or TC4021BP,
IC-2	11		UPD4021BC or
			10 10 10 10 10 10 10 10 10 10 10 10 10 1
,			
		es ar passer for	501994.025 4545 51994.025 4545
	**		#60
			1 M. Marie
D 1	V03C	Diode "	u disho
0 2			otwagon i 696 rejayo sa kara
	- :		5.50
DA 1	UPA64HA	Diode Array	- 2000 A 2000
DA 2	UPA54HA	e ne set jeun	
		Service of the service of	Hamilton December
			The first of the second
			market skiller skiller market skiller
R 1 R 2	ORD167J-103 " -103	CR	an Nabilita in the
R 3	" -103	,,	The state of the s
R 4 R 5	" -103 " -103	H	a Financial Control of
R 6	" -103	"	18 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
R 7 R 8	" -103 " -103	11	100
R 9	" -103	"	
R10 R11	" -103 " -103	H	4.
R12	" -103	"	80 + 40 40
R13	" -103 " -103	"	
R15	-103 " -103	"	
R16	" -103 " -101	"	
R17 R18	" -101	<i>"</i>	
R19	" -101 " -101	"	
R20 R21	" -101	,,	
R22 R23	" -101 " -101	"	
R23	" -101	"	
R25 R26	" -101 " -101	"	
R27	" -1.01	"	
R28 R29	" -101 " -101	" "	**************************************
R30	" -101	"	
R31 R32	" -101 " -101	"	A ART AND A STATE OF THE STATE
R33	" -101	"	1.4
R34 R35	" -101 " -101	"	Merchanis Grand
R36	" -104	"	25 ST 1 ST
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	A	2 9 28,74	And Association of the Control of th

Symbol No.	Part No.	Part Name	Description
RA 1	EXB-P88104M	Resistor Array	ESPECTO
RA 2	n ·	•	SANTANDA IN DA
	1 *		
			· Opening as the
	i i	,	Sanda Maji 1931 Da
		V.	1 .46
	05744444	5.0	
C 1	QET41AM-107	E Cap	997 y 41, a 100
C 2 C 3	OET41CM-227 "-227	,,	24627 8880 A. E. FREDE.
C 4	QCF11HP-472	C Cap	Section 1972
C 5	" 472	,,	1000 FE 3.10
0 0	7/2		11.00
			1960a130 *.c. or ;
			Armen Pon
			Report to the first of the second
		1	
VA1~	PU49624-2	Varistor	44 pcs.
VA44	1 0-1002 1 2	Variotor	1-1 pos.
			the Wayn Court
		te tablitees at	To Artist To State of the Control of
			7,43,123,0
CN 1	PU49215-11Y	Cap. Housing	1.444.44
CN 2	" -2	cap. Floasing	and profit to the
CN 3	″ -11R	"	
CN 4	" -12R	"	
CN 5	" -12Y	"	
CN 6	″ -12	"	
CN 7	" -12	"	1.
CN 8	″ -10	· n	and the state of t
			And the second second
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			e sakali da ji dal
			Frankling Comment
			The second of the second
			A STATE OF THE STA
			Entrance in the second
			Asset Aller And
			0.4 \$4.5 pb. (** 41)
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			and the second second
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		a year year on the control	Otherson in the
	•		We wish bottom in a second
		2.4 .44.49	
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			t was the
			. Property of the control of the con
			100 (100) A
			11, 849 JAN 19
			The week in the control
			production some
			gradinet et
			17 18 19 M. 185
	1 .	1	Commence of the second

6.2.12 Y amp. board ass'y 1 2 PGE10056A-04

Symbol No.	Part No.	Part Name	Description
iC 1	BA7021	Integrated Circuit	Proceedings of the Control of the Co
IC 2	AN6306	"	18.48
IC 3	BA7021	",	
IC 4	BA401	,,	
IC 5	BA7021	,,	
IC 6	,,	,,	
IC 8	<i>"</i>	quant. S	M-2045X Cp-V 104 CF - 1 (7)
IC 9	5VT09	" "	CALCARANT S. D
IC10	AN6393	"	
IC11	AN6327		esperante de la participa de la companya della companya de la companya della comp
IC12	BA7021	, "	14 N 1
IC13	" "	"	, , ,
IC14	TL8704P	,,	
IC15	T8004A AN608P	,,	
1010	ANOGOI	1.	
1	Augustin	and the state of t	1.00 (20) (1.00)
	00000470	Transistor	
Q 1	2SC2647C 2SB641Q	i ransistor	
0.3	2SC2647C	"	
0.4.	2SB641Q	<i>n</i>	
Q 5	2SC2647C	"	N 9.3
0.6	"		
0.7	"	"	\$ 14
0.8	"		
0.9	",	,,,	4 12 2
Q10		,,	
Q11 Q12	2SB641Q 2SC2647C	n	10 × 3 × 41 × 3
Q13	25020470	"	
014	"	"	
Q15	"	"	
Q16	2SB641Q		
Q17		"	
018	2SC2647C	11	
019	2SB641Q 2SC2647C	"	
Q20 Q21	23020470	`n	
Q22	2SB641Q	"	
023	2SC2647C	"	1
024	2SB641Q	"	
0.25	2SC2647C	"	
Q26	2SB641Q	,,	
Q27 Q28	2SC2647C	"	
029	DTA144EF	D. Transistor	
030	2SB641Q	Transistor	
Q31	2SC2647C	·	
Q32	DTA144EF	D. Transistor	
Q33	2SC2647C	Transistor	
Q34	"	"	
Q35	"	"	
0.36	2SB641Q	"	
Q37 Q38	2SC2647C 2SB641Q	,,	
039	2SC2647C	· "	
Q40	2SB641Q	ii .	
Q41	2SC2647C	"	
042	2SB641Q	n .	
Q43	2SC2647C	"	
Q44	2SB641Q	"	
Q45	2SC2647C		
			

Symbol No.	Part No.		Part Name	Description
Q46	2SD638R	(art	Transistor	Salahar Fireful Color
Q47			"	
Q48 Q49	2SC2647C		,,	
Q50	,,,		,,	
Q51	2SC2647C		,,	
Q53	_ :		_	
Q 54	2SC2647C		Transistor	
Q55	"		"	,
Q56 Q57	,,		"	
Q58	"		"noga(*)	- NO.3 V F - N
Q59	"		"	
Q60	2SB641Q		"	
Q61	2SC2647C		",	
Q62 Q63			_	
Q64	_		espect specific	American Commence
Q65	2SC2647C		Transistor	Antonia Service Control
Q66	"		"	
Q67	DTA114EF		D. Transistor	
Q68 Q69	DTC114EF DTA114EF		"	
070	DTC114EF		"	
Q71	2SC2647C		Transistor	
0.72				
Q73	2SB643R		Transistor	:
Q74 Q75	2SC2647C		<u></u>	10.486.8237
Q76	2SC2647C		Transistor	
Q77	2SB641Q		"	s de la companya de
Q78			–	1
Q79 Q80	2SC2647C 2SB643S		Transistor	
Q81	2580435		,,	Na sa
Q82	"		"	
			· ·	
D 1	188133		Diode	
D 2	RD3.3EB1		Zener Diode	
D 3	18899		Diode	
D 4	188133		<i>"</i>	
D 5	",			
D6	1SS99		"	
D 7	"		",	1
D 8	1SS133		<u>"</u>	like the state of
D 9	,,		,,	
D10 D11	,,		,,]*
D12	,,		"	
D12			"	
D14	"		<i>''</i>	95.0
D15	"		" .	The state of
D16			"	in in the second
D17	_			1.:
D18	1SS133		Diode	1 1 1
D19	1SS93		<i>"</i>	
D20			,,	
D21	1SS133		,,	2 5 5
D22 D23	,,		,,	
D23	1SS99		,	- 10 10 10 10 10 10 10 10 10 10 10 10 10
D25	"		"	1,055.71
D26	1SS133		,,	1,156
D27	"		n ·	
D28	_			
D29			<u> </u>	
D30	155133		Diode	
	L		L	

	· Y. AMP							
Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description	
D31	1SS133	Diode		R61	QRD161J-272	CR	the state of the state of the state of	
D32	0A90	"	deserving the Consequence of	R62	_	<u> </u>	To the state of th	
D33	1SS133	"	Pater Selection	R63			1.6.4	
555	133133	4.4		R64	QRD161J-152	CR	Receive a register of	
			(Magazine	R65	" -122	"	a Walfer - 1945 Production	
- B-4	OPD1611202	CR	All Alexander	R66	-101		Abbabblian Said	
R 1	QRD161J-393 " -183	,,	V 100	R67	" -103	,,		
R 2	-100	.,	5 8 4 8 2 5	1	" -103	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
R 3	-22-	"	Part - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R68	-103	"		
R 4	001	,,		R69	-102	,,	Section of the contract of the	
R 5	-351	"	A SA	R70	-102	n hast	The state of the s	
R 6	-50 (R71	QRD167J-561			
R 7	-555		Control Contro	R72	QRD161J-331	. Character 1	ACC the ray of damp depth of the control of the con	
R 8	QVZ3506-103	VR	\$1.50 kg 2000 kg/100 br>2000 kg/100	R73	1100	,,		
R 9	QRD161J-152	CR		R74	-103	.	- I	
R10	" -682		Many 108 strates attracts	R75	-102	,,		
R11	QVZ3506-103	VR	The second section of the section of	R76	-00,	,,		
R12	QRD161J-562	CR		R77	1 -103	",	A Part of the second of the se	
R13	" -152	"	Company of the Compan	R78	-100	",		
R14	" -562	"	1.500	R79	" -102	1		
R15	" -222	"		R80	" -222	"	The state of the s	
R16	" -152		on the sure of the soft	R81	" -153	"	Range Comments	
R17	" -272		The desirable residence	R82	" -222	"		
R18	″ -181	"	144 18	R83	′′ -101	"	The State of the S	
R19	_	_		R84	" -102	" :	to a Milwill of	
R20	QRD161J-222	CR	1971	R85	QVZ3506-103	VR ·	2 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
R21		_	A FRE	R86	QRD161J-102	CR	E # 12.7	
R22	ORD161J-682	CR		R87	" -222	"	A PROSE OF THE	
R23			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R88	" -102	11		
R24	QRD161J-272	CR		R89	" -152	"	to large the second	
R25	QVZ3506-682	VR	+ A4 11	R90	″ -101	"		
R26			Mary and the firefall of the Market	R91	" -471	"	the state of the s	
R27	QVZ3506-472	VR	14 A	R92	" -820	"	Ver explanation of the	
R28	QRD161J-103	CR		R93	″ -102	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		
R29	·" -470	"	100	R94	." -271	· · · · · · · · · · · · · · · · · · ·	to the second	
R30	" -822		the space of programs	R95	" -102	"	with the Contract of the	
R31	" -393	"	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	R96	" -222	<i>n</i>	et also et also et	
R32	QVZ3506-103	VR	4.3	R97	" -102	"	Asset Company of the	
R33	QRD161J-563	CR	(0.00 to 1.00	R98	QVZ3506-102	VR	And assets and the second	
R34	" -332	11	2526 - 7	R99	QRD161J-561	CR	The state of the s	
R35	" -102	"	A STATE OF S	R100	1 .	"	in the second of the second of	
R36	QVZ3506-102	VR		R101	" -332	"	Also Share to T	
R37	4720000 102		5.0	1	QVZ3506-102	VR	The state of the s	
R38	QVZ3506-102	VR SA	and the second of the second o	1	QRD161J-103	CR	e e	
R39	QRD161J-222	CR	ed at	R104	1	"	Later than the second	
R40	" -102	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R105		"		
R41	" -911	n	grade grade and angle ha	R106		"	Approximately the control of the con	
R42	" -561	"	And Available	R107		1		
R42	QVZ3506-102	VR		R107	1	_		
R44	QRD161J-102	CR	A CANADA	R109		_	1	
R45	" -181	"	- Adams of	1 .	QRD161J-102	CR		
R46	" -821	n 33'	y -3-334-0 -46	R111	" -103	Cn "	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
R47	" -750	"		R112	" -103	,,		
R48	QRD167J-561	"	i	R113	-103	,,		
1	" -102	"	11.24	R114	-102	,,		
R49	" -102	"	2000	1.	i	,,	$\frac{1}{2}$	
R50	-102	,,		R115	-103	"		
R51	-561		7 20 20 20 20 20 20 20 20 20 20 20 20 20	R116	1.	"	gas graps — Santa Awarang	
R52	-911	VR		R117	-222	"		
R53	QVZ3506-102	1		R118	-125	\ ''.		
R54	ORD161J-391	CR "	100 AND 100 AN	R119	-393] ,,		
R55	-105	"		R120	-222	",	n in the second of the second	
R56	-100		0.0 a 1 3 +0.950 ±0.483	R121	-501	ŀ	750. (10.70 m) (10.70 m) (10.70 m) (10.70 m)	
R57	-4/2	.,	All is a first that the All is a second of th	R122	222	"	Share a section	
R58	" -101	"		R123	" -103	"		
R59	-272	i	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R124	" -103		1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m	
R60	QVZ3506-331	VR	127	R125	" -103	"	+ 7/450	

ymbol No.	Part No.	Part	Name	- V - De	scription
R126	QRD161J-122	CR	zła?		isol yan
R127	" -103		,		1 550
R128	" -392	**			7,845.64
	QRD167J-391	••	et 15	J.J 1754	MG Let
R130	" -822	"		e1 e	
	QRD161J-564	.,		2.3-2	April ee
1	" -122·	,,			
R132	" -102				1. 1. As 5. 1.
R133	-102	,,		14.1	in Marci
R134	-105	.,			t adjeto -
	QRD163J-684	VR		140	Service Service
	QVZ3506-102	1			7.2 m²
l l	QRD161J-152	CR		一 - 图4 电多层电影	Day of The
R138	″ -102	,,		K.	4.4
R139	" -152				n in the state of
R140	" -331	"		\$ 5.7	
R141	" -122	"		4355	
R142	" -561	"			
R143			_		
R144	QRD161J-393	CR			1.50
R145	" -181	"		4 4	
R146	·· -391	"			
R147	" -102	"			
R147	QVZ3506-102	VR			
		CR]	
R149	QRD161J-102	","		1	
R150	1 -911	",			
R151	-501	LVD.			
R152	QVZ3506-102	VR		7.	
R153		CR			387
R154	" -222			12.1	1 15 S. S. S.
R155	" -101				Agrica.
R156	" -102	"			
R157	QVZ3506-223	VR		: 1 - 1 -	
R158	QRD161J-102	CR			
R159	QVZ3506-102	VR			
R160	QRD161J-102	CR			18.99
R161	" -911	"			.,34
R162		"			
R163		VR			era, Applia
R164		CR			
	l	","			La Page
R165		"			
R166	-222	,,		ľ	
R167	-102	. ,,		igh - 1	
R168		"	3.47	1	
R169	" -102	1			
R170		VR			
R171	QRD161J-103	CR		1	
R172	š	"		-	1.55
R173		"		-	
R174	" -101	"			
R175		"			
R176	_	"			
R177	1	"			
R178	1	" .			
R179		"		1	
	1				
R180	-102	"			
R181		,,			
R182		,,			
R183	1	,,		·	
R184				ar a f	
R185		"			
R186	" -391	"		- 1	
R187		"			
R188	1	"			
	1	"			
R189					

Symbol No.	Part No.	Part Name		Descript	ion
R191	QRD161J-331	CR	Name of the	887384	10 April 10
R192	" -185	"	444045444444	.092 (9)	Mag.
R193	·· -272	"		2002	200
R194	" -272				1
R195	" -103	"			
R196	·' -473	"	yes high	get in the extreme	
R197				3.4	
R198	- . /		<u></u>	5.5 A	
R199	QRD161J-104	"		ww.	4 44
R200	·· -222	"		3.3.	7 pr
R201	" -222	"		\$	
R202	" -102	"		10%	2 6
R203	••••			Harris Olayera	99
R204			<u>~</u>	(21.10 DAS)	
R205	QRD161J-681	CR		1145%	7-16-5
R206	QVZ3506-222	VR		Land of the State	
R207	-		-	190 ± 14 t 05 C	
R208	QRD161J-103	CR		. *	
R209	′′ -681	"		ji.k	
R210	′′ -102	"			150
R211	QVZ3506-102	VR		40° -	
R212	QRD161J-222	CR			1.4
R213	-001	\ <i>''</i> .		P. Carlotte	
R214	-121	,,			
R215	-4/3	,,			
R216	-123	,,,			
R217 R218	" -750 " -222	,,		waser of a fate	
R219	-222			rate Alfabet and a	Sa y
R220	- ,				37.37
R221	QRD161J-103	CR	 , c	wife-in-majoration to be not to	\$1.00 2007
R222	" -103	,,,		Booker's School	NATURE OF THE PARTY OF THE PART
R223	QVZ3506-681	VR	**	15 (5) \$1 \tau \tau \tau	
R224	" -222	,,,		A STATE OF THE STA	
R225	QRD161J-101	CR			
R226	" -102	,,			
R227	·· -222				
R228	" -681	11		to the second	
R229	" -222	"			
R230	_		-		ŀ
R231	-		_	Jan 1967 (1978)	April 1
R232			_		
R233	QVZ3506-102	VR	1.		
R234	 .		<u>—</u> ·	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31
R235	- ',	1	- <u>- </u>		
R236	1	CR			
R237	·' -272	"	• 1	Land 1	1,60
R238	″ -103	"		a. 140. S]
R239	" -101	"		1.50	
R240	_	-	_	er.	
R241	QRD161J-103	CR			See .
R242	" -103	"			1.5
R243	-821	"		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
R244	" -821	"			
R245	" -103	" ,			
R246	-2/1	<i>"</i> ,			
R247	-332	",			1
R248	-331	",		Artistania	W4.5 5
R249	-563	,,		Forest Control of the	
R250	-750	,,			
R251 R252	" -222 QRD167J-223	,,		214	
R252	" -223	,,			
R254	-223 '' -221	,,			
R255	-221 " -681	,,			
	-001	L		1960 90 00 00 00 00 00	4,807

Symbol No.	Part	No.	Part	t Name	Descripti	on.
Charles and the control of the contr	QRD167J	1-223	CR			
R257	"	-223	"	anasta erra	Volume of the second of	AND TO SERVICE
R258	"	-223 -223	,,	980 S.		3 20 25
R259 R260	,,	-103	,,	1	4	right of
R261	<i>"</i> .	-223	"	glame .	A	3914
R262		-123	"		17. 1	1868 N
	QRD161.		,, ·		jara Kanadan di Alba	7/A 1
R264	",	-102 -221	"		Tables withing a series	23/12
R265	"	-223	**	2584 R.S.	Armen in 1849	867, 4
R267	"	-223	"	4400	USPHIELD.	
R268	"	-393	"	090 di	British bar (BB) Britis water of the Viscouri at t	
R269	"	-562	,,			
R270	,,	-103 -103			3.73- · · · · · · ·	
R271	QRD167		"		Section 1	186 174
R273	_					and the second
R274	QRD167		CR			1971
R275	QRD161		,,	300 300 A	PONONESSON MANAGEMENT	
R276	QRD167	J-822 -222	,,	650 850 661 1		
R277	QRD161		"		DARANE PAGE	100-1
R279	13.13.	-222	"		Salah dinama	15
R280	-			100 100 100	age Aleksan (1964) i jiha	Sept. 1
R281	QRD161		CR			5,43 Th
R282	1	-471 -151	"		Audios distriction in the land Option is protected to the control	Administration of the control of the
R283		-151		All and the second of the seco	Programme Community (Community Community Commu	1.00
R285	"	-471	"	40.00	is leave the fields.	3337
R286	"	-103	"		was been all the second	1.500
R287	"	-471	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			100
R288	1	-682	"		P0.77	r Asia u Parti
R289	!		Ì	_ 		D.
R290	1			- .	asa yaranya	14.
R292	1			-	10. The 1984 of 1882 of 1882	CASSAS I
R293			0.5	- '		
R294	1	J-102 -102	CR "	. :	The same state of the	1.5
R295		-102		_	proposition of the	
R297	I .	J-562	CR		At the 180	3 mm
R298	1	-151	"			
R299		-471	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			13/1
R300		-680 -391	","		94 (4) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 (A. 1)
R301		-392	"			Ed. Co.
R303	1	-562	"		1	73427
R304	1 "	-331	"	tan di	Markey Comme	
R305		-183	,,	1971	Property States (1)	. 1
R306)	-103 -101	"		P. 4240 (8 14 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1
R307		-331	"	System 1	KUT MUSEUTING	
1,000					美国人物科技 新教 的	m 1 1 2 1 mg
C 1	QET60.		E Cap			
C 2	QCF311		C Cap			1. 251 F T
C 3	QET60	JM-476 -476	E Cap		\$15.5 \$10.5	\$10.00 100
C 4 C 5	QET600		"		0.00 - A.C.	
C 6	QET60		"		Line and the	1889
C 7	"	-107	"			.4500
C 8	QFN31		MY Ca	p	gha ship harda sift	New
C 9	QET60		E Cap		TO SHOW A VILLE	
C10	QCF311		C Cap		K11-40/8/30,	
C12	QCF311		"	20 min	Contract Contract	
C13	QCS31	-IJ-390	. "		pro-Printing.	. 223 .
C14	QET61	HM-105	E Cap	195 J. J. J.		
C15	-	- :		41 -	ne sen sinko,	
C16	_	-	Ì	_	Marketta Tor	
C17	QET61	- CM-106	E Cap			NAME
5,0	22.101			.,		

Symbol No.	Part No.	Part Name	Description
C19 C20	QET61EM-475 QCS31HJ-151	E Cap C Cap	
C21	- ' ; .	-	761 04138000 8760 L
C22 C23	QCF31HP-103 QCS31HJ-820	C Cap	FAR AND PERSON GARD
C24	QET60JM-476	E Cap	esta wide 150 340 T
C25	OCF31HP-223	C Cap	
C26	QETA0JM-337 "-337	E Cap	
C28	QCF31HP-223	C Cap	pak veresta colo
C29	QET60JM-476	E Capara and the	
C30 C31	QETA0JM-337 QCF31HP-223	C Capting (A)	Brown 1873 Carlo New Harris Co.
C32	QET60JM-476	E Cap	TRANSPORT F
C33	QEN60JM-476	NP Cap	
C34 C35	QET60JM-476 "-476	E Cap	
C36	OCF31HP-223	C Cap	As a Maska and Maria
C37	-223	F Cap	physike property. The entry is a second of the entry of t
C38	QETA0JM-337 QCF31HP-223	E Cap	1.545.44 (A. 14.4)
C40	QET61AM-476	E Cap	Mark Assessment of the Control of th
C41	QET60JM-476	# 83.40 s.	e (S. o. Al Siettau) no . Gree
C42 C43	OET61CM-106	"	Section 1991
C44	QET61AM-476	" .	Vince Vince
C45 C46	QCS31HJ-471 QET60JM-476	C Cap E Cap	Travers of the transport of the transport
C46	QCS31HJ-9R0	C Cap	July to the part of
C48	QETA0JM-337	E Cap	
C49 C50	QCF31HP-223 QFNA1HK-474	C Cap MY Cap	
C51	QFN31HK-474	"	land,
C52	QCF31HP-223	C Cap	
C53	QET60JM-476 QETA0JM-227	E Cap	was subjected by the
C55	" -476	"	tanan da kabupatèn Baran da kabupat Baran da kabupatèn Baran da kabupa
C56	OCS31HJ-100 "-100	C Cap	1.7
C58	QCF31HP-223	March 1985	PRINCE AND A PORT OF THE
C59	QET60JM-476	E Cap	and a Taylor of the agriculture of the same of the sam
C60 C61	OFN31HK-474 '' -476	E Cap	original to
C62	" -476	"	
C63	QCF31HP-223 QET41AM-476	C Cap	Bracker Nathan
C65	" -476	"	\$0.1 March 2016 177
C66	OCS31HJ-220	C Cap	160 041860 0 Mod (A)
C67	" -220 QET60JM-476	E Cap	to the contract of the contrac
C69	QCS31HJ-100	C Cap	
C70	" -820 QCF31HP-223	" " " " " " " " " " " " " " " " " " "	
C72	QET60JM-476	E Cap	(A) \$6 1.1 N + 196. N 1 1 4 4 4 4 1 2
C73	QCS31HJ-330	C Cap	1977 C. TOST CONTROL OF THE CONTROL
C74 C75	ΩET60JM-476	E Cap 90 0 gs⊆ 1	4477 418000 4 4 0
C76	QET60JM-476	E Cap	of minimum of line ti
C77	QFN31HK-474	C Can	850 American Provide Broad
C78	QCF31HP-223 QET60JM-476	E Cap	QVI certified you can be
C80	QCS31HJ-561	C Cap	STANSVER LEGISELL REGISERSENCE REST
C81 C82	QFN41HK-223 QCS31HJ-221	MY Cap C Cap	535 TO 10 LO 20 LO 2
C82	UCS31HJ-221	-	er en
C84	_	_	ATT CONTROL BY I
C85	OCF31HP-223	C Cap	012 4 02 2 1 1 2 2 2 2 3 2 8 2 1 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3
C87	" -223	"	1 with 1 941
C88	QET60JM-476	E Cap	
C89	OCF31HP-223 OAT3001-015	C Cap	MEST-MAY CONTROLLER
	1		

Symbol No.	Part No.	Part Name	Description
C91	QCT05CH-221	C Cap	
C92	′′ -150	" es 0	120 GOSSIALEST
C93	OCS31HJ-101		
C94	" -101 QET60JM-476	E Cap	Reference of the State of the S
C95 C96	QCF31HP-223	C Cap	NO A CONTRACT AND -
C97	" -103	"	SERVENTE TOTAL PERSONS
C98	QCS31HJ-390	" (a.5) (b.)	TOTAL PARTIES
C99	QCF31HP-223	11 (A) (A)	MAX A MARKET
C100	QCS31HJ-560	"	CKS404RRQD Black
C101	QFN31HK-223	MY Cap	PERIOD TOTAL
C102	QCF31HP-223	C Cap MY Cap	rti stas Tauj onu Est sen stro - no
C103 C104	1	C Cap	
C104		MY Cap	Charles and Address of Co.
C106		C Cap	BA-INDELEMENT ALL
C107	QCF31HP-223	''	age to the same of
C108	QET60JM-476	E Cap	CB ANDROSE SEL
C109	QCF31HP-223	C Cap	MSS 2 7827 -
C110	1	E Cap	Rest of the last of the State of
C111	OCF31HP-223	C Cap	MAN SHIPE DOTAL SECTION
C112	· ·	E Cap	ETAHARI GERBAN (CER)
C113		C Cap	en super (SEO SeO)
C114 C115		n .	Control of the Cartination of th
C116	1	"	
C117	1	"	The Mile (disposition) and the Second Section (e)
C118	1	MY Cap	Washington and
C119		C Cap	g was englished as
C120	" -223	" Garage	god was a mad in rain
C121		"	PROGRAMMENT SERVICE
C122	1	" > " * "	AT A TO MEET OFF
C123	1	-	A Martin (Martin Property)
C124	4	C Cap	the selection of the
C125		E Cap	AN AN AN AND THE STATE OF THE S
C120		n n	28.86 (1.15) (1.15) (1.15) (1.15) (1.15)
C128	§	C Cap	Secure Oxford Fig.
C129	ł .	"	Lesi Ver
C130	QET60JM-476	E Cap	850 Per - 1500 - 340 -
C131		C Cap	gradient (\$500 per 1997) in the second
C132		,,	may be see the
C133	l .	See 2	1 A T
C134	-0110	E Cap	And a restrict of the second
C135	1	C Cap	SERVING PART THE
C137		NP Cap	A CONTRACTOR OF THE CONTRACTOR
C138		C Cap	ESS LARESTA RA
C139		"	adda
C140	QETA0JM-337	E Cap	Bornequirmat . 1981
C141		" Gara	tidii - Didii Egoppi — Neu
C142	1		Fig. 1 May 1955.
C143	1	C Cup	ELECTRATE OF THE THE
C144	1	" (\$5) B	BY NEW YORK STORY
C146	-,70	E Cap	Manufactura Cara Sana Sana Sana Sana Sana Sana Sana S
C140		C Cap	The perguent of the second
C148		E Cap	KIND OF SERVICE OF THE WAY
C149	1	C Cap	Park Caraca
C150	QET60JM-476	E Cap	en evasaone and
C151		C Cap	Co Walsara Bali Bet
C152		E Cap	(19) (19) (19) (19) (19) (19) (19) (19)
C153	I .	C Cap	
C154	1	E Cap	The second of the second
	·4/0	,,	380
C156	4	· ''	#ijs 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860 1860
1 C1E7		C Cap	EXX server server some
C157	HOCOOTED *Z.10	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C157 C158 C159		"	1889 - 1 - 1 8C
C158	" -151	E Cap	ESS CONTRACTOR SECTION
C158 C159	" -151 QET61CM-337	1	

Symbol No.	Part No.	Part Name		Descript	ion
B 100 S 10 S 5	0570401400	F.0			
C163	QET61CM-106	E Cap			
C164	" -337 QCF31HP-223	C Cap		e Silving	\$636Jh
C165 C166	QET61AM-476	E Cap		is desir or the statement	1993 A
C167	QETOTAM-470	E Cap		707 1007	42894 12801
C168	QET60JM-476	E Cap		ero.	1001
C169	" -476	L Cap		economic economic economic	500558
C170	" -476	<i>n</i>		THE LUIS FURIOR	Control Control
C171	QET61HM-475	"		-5/91	-Nege
C172	- :	`		382.	3623
C173	QET61EM-475	E Cap		ess :	8845
C174	QCF31HP-223	C Cap		Property (1)	4.267
C175	QET60JM-476	E Cap		808 ·	0888
C176	QET61CM-106	.,,		STA	Bear.
C177	QET60JM-476	"		A 31	69.20
C178	" -476			âNI	1.00
C179	-4/0			新日本 (開発する) Maria	18830
C180	QCF31HP-223	C Cap			8108
C181	05700 114 470	→ 1 _{1,1} ,		ESS-eVARDARD	\$1.2 (a)
C182	QET60JM-476	E Cap		SOL MANGRO	
C183 C184	QCF31HP-223 QET60JM-476	C Cap		- West (1984)	G 1 3 4 5 1 1 1 1 1 1
C185	QCS31HJ-330	E Cap C Cap		ASS. SOSTONE	44.1
C186	QET61 AM-476	E Cap		1.00	A STATE
C180	QCF31HP-223	C Cap		a. î.	11.534
C188	QET60JM-476	E Cap		gar transparate and	257
C189	QCF31HP-223	C Cap			0.83
C190	QET61AM-476	E Cap		s _a sar	reference .
C191	QCF31HP-223	C Cap			. Ar Solvan
C192	QET61HM-105	E Cap		1 Tax	5800
C193	QET61CM-106	"		24.47	Maria
C194	QCF31HP-103	C Cap		150	4.05%
C195	″ -103	,,		Jake 1	Survey.
C196	" -103			*	(3.8EF)
C197	QFN31HK-104	MY Cap			GeSz.
C198	OCF31HP-223	C Cap			11.00
C199	QET61AM-476	E Cap			garata.
C200	QET60JM-476	",			11/02
C201	QET61CM-106	" /.1		SLA 100 - 20 - 20 - 20 - 20 - 20 - 20 - 20	
C202	-	-		SOR	2686
C203	QET61HM-474	E Cap		and the second of the second o	CRC 5.7
C204	QCF31HP-103	C Cap			5,000
C205 C206	" -103 " -103	,,			54 1785
C200	-103	,,		1 Sec.	. 0 60 V . 156 *
C207	QET60JM-476	E Cap		All Maries	- 1 146 1 14 14
C209	- CE 1003IVI-470			(A)	1334.5
C210				5.59 <i>e</i>	经股份
C211	QET61AM-476	E Cap		TEC	
C212	1	C Cap		\$ 14.	344
C213		E Cap		L.C.	08T
C214		C Cap		Agit	198524
C215	QET60JM-107	E Cap		Contraction of the Contraction o	237
C216	QCF31HP-223	C Cap			
C217	" -223	" a.5.7		OST MUSET II.	
C218	" -223	Marin San Care		NSGL/arMiCHORD	
C219	" -223	** SEC. 1		aca sauto refi	
C220	" -223	"		78% 2-	1. 14
C221	QCS31HJ-820	"		\$1. 5.396 July	1.7
C222	QCF31HP-223	"		1655-145428 - 05	N 1
C223	" -223			All and a second	- 1
C224	QET61CM-476	E Cap		-1811 garanti Vasca j persanan sarentara	0 . 2 .
C225	QETAOJM-227	5.444	- 1	BEE MHORTEN	
C226	OFT610M 470	SECON		est fra Godha Fighter Synto	
C227	QET61CM-476	E Cap		nance egung 2003eus Au	- 1
C228	QET60JM-337	,,		ger galaga	18-14-
C229	QET61CM-476 QCS31HJ-121	C Cap	1	stat - Wast die Frans	1
C230	QET61EM-475	E Cap	.	and the second second second	
C232	QET61EM-475	" Cap			61.
C233	QETAOJM-337	"			
C234		9 4 35		Walio Cabro Hasil P	
				1	ŀ

	- tewyogy)	494a.	429	14 16	

Symbol No.	Part No.	Part Name	Description
C235 C236 C237 C238	QCS11HJ-181 "-680 "-331 QET41CM-336	C Capaci Casa (de 1882 (
C239 C240	QCS11HJ-560 —	C Cap	7 174 2807
C241 C242 C243 C244 C245 C246	QET41HM-105 QET41CM-337	C Cap MY Cap E Cap	a company of the comp
C247 C248 C249	OCS11HJ-220 "-820 OET41AM-475	;; E Cap	
L 1 L 2 L 3 L 4	PU48530-221 - - -	Peaking Coil	
L 5	PU48530-221J PU48530-221J	Peaking Coil Peaking Coil	
L 8 L 9	" -1R5K 		·
L10 L11 L12 L13 L14 L15 L16 L17 L18	PU48530-221J " -221J " -820J " -221J " -221J " -221J " -221J " -221J " -560J " -221J	Peaking Coil	
L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L41 L42 L43 L44 L44 L44 L45 L46 L47 L48	" -221J - PU48530-560K " -221J " -470J " -270J " -221J " -560J " -101K " -390J " -383K " -221J " -101K " -221J	Peaking Coil	

			Y. AMP
Symbo No.		Part Name	Description
LPF LPF LPF LPF	2 PGZ00184 3 PGZ00183 4 PGZ00184	Low Pass Filter	
X 1	PGZ00186	Crystal	317 317
CT CT CT CT CT CT	PGZ00133-443 PGZ00051 PU46042-6 "-5 PGZ00133-443	C. Trap	Section 1
DL	1 PGZ00179-080	Delay Line	Haging Winds (ask)
CN CN CN CN CN CN CN CN CN CN CN CN CN C	2 " -2R 3 " -5Y 5 " -4Y 6 " -2R 7 " -2 8 " -2R 9 " -6 0 " -5 1 " -4 2 " -6Y 3 " -2 4 " -2Y 5 " -4 7 " -8 8 PU43351-5	Cap. Housing	
	PU54983	Test Pin	TP1-24

6.2.13 End sensor board 13

Symbol No.	Part No.	Part Name	Description
	PGE40151	End Sensor Board	Marie Carlo
	PT-352V	Photo Transistor	
<u>^</u>	PU49624-2 "-2	Varistor	VA1 VA2
	PU43351-100	Cap. Housing	

6.2.14 Operation board 1 4

Symbol No.	Part No.	Part Name	Description
	PGE30050-01-01	Operation board	use ulissiciscos. Let aproposas
D 5 D 6 D 7 D 8 D 9 D10 D11 D12	GL-3PR2 " " " "	LED	\$25,547,554, \$2,000,000,000,000,000,000,000,000,000,0
D13 D14 D15 D16	 GL-3PR2	em 4 h	SANTAN AND SANTAN S
R 1 R 2 R 3	- - -	- : - :	
R 4 R 5 R 6 R 7 R 8	— QRD182J-331 "-331 "-331 "-331 "-331	CR "	
R 9 R10 R11 R12 R13 R14	" -331 " -331 " -331 	" " -	
R15 R16	 QRD182J-331	CR	
S 5 S 6 S 7 S 8 S 9	PU49344 "." "."	Switch	
S10 S11 S12 S13 S14 S15 S16	" " - - PU49344	", ", ", ", ", ", ", ", ", ", ", ", ", "	
CN 1 CN 2 CN 3 CN 4	PU49215-107 '' -108R -109Y		es response presidente de la compansión de
	PU52848-1-2	reserved to the second Spacer	2.070, 1 × 9 (<u>8.0700</u> () 1
	PGD40282	Spacer	x 9

6.2.15 LED board 1 5

Symbol No.	Part No.	Part Name	Description
	PU55110	LED Board	
	GL-450V	LED ON SERVICE	
	PQ30101A	LED Holder	
:		962 MAR 640 H	
			Aggregate and the second of th

Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
IC 1 IC 2 IC 3	UPD554C-058 UPD550C-055 TC4029BP	Integrated Circuit	C TOTAL CONTROL		EXB-P84104M EXB-P88334M	Resistor Array	\$2.50 \(\frac{1}{2}\)
0.1	DTC124EF	D. Transistor	256425 AAA 6 G G	C 1 C 2 C 3	QFN41HK-562 QCS11HJ-471 "-121	MY Cap C Cap "	
Q 2 Q 3 Q 4 Q 5 Q 6	", DTA124EF	go samanan	\$201 1 200 1 200 5 200 	C 4 C 5 C 6 C 7	QCF11HP-473 " -473 QCS11HJ-471 " -121 QFN41HK-392	,, ,, ,, MY Cap	
Q 7 Q 8	2SB739BC DTC124EF	Transistor D. Transistor	H	C 9 C10 C11 C12 C13	" -392 QEK41HM-474 QET41CM-227 " -477 " -106	E Cap an in section and	
D 1	1SS133	Diode "		C14	" -106	g. Majer osta – v	देशक स्थाप शिक्षका है है । उसे देशका १ जिल्ला विकास
D 3 D 4 D 5	RD5.6EB2 RD8.2EB2 1SS133	Zener Diode	n estiga de la la	T 1,	PGZ00002	Heater Trans.	
		mashiring * 1	. 4 32 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<u>A</u> .CF 1 <u>A</u> .CF 2	PU50224	Ceramic Filter	
R 1 R 2 R 3 R 4	QRD167J-333 " -333 " -104 " -222	CR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CN 1 CN 2	PU43351-8 "-3R	Cap. Housing	
R 5 R 6 R 7 R 8	" -222 " -222 " -333 " -333 " -104	H CONTRACTOR	The State Advantage of the state of the stat				
R10 R11 R12 R13	" -104 " -105 " -103 " -104	" " " "	3 M				
R14 R15 R16 R17	" -332 " -333 " -104 " -104	Harasaya tayal	Collins Collin				
R18 R19 R20 R21	" -105 " -333 " -563 " -391	" " " " "	The state of the s				
R22 R23 R24 <u>A</u> R25 R26	" -333 " -333 " -473 QRZ0055-470 QRD167J-333	,, ,, F.R CR	The second of th				
R27 R28 R29	" -102 " -103 " -333	"					
	:						

THE STREET SERVICES STREET, SERVICES

6.2.17 Cassette housing board [1] 8

Symbol No.	Part No.	Part Name	Description
	PGE40002 PT-352V	Cassette Housing Board Photo Transistor	
			MSS TO THE TO THE TOTAL TO THE

6.2.18 V & FMA head board ass'y 1 9 PGE40102A

Symbol No.	Part No.	Part Name	* 8.24. ****	Description
CN 1 CN 2 CN 3	PU49215-106Y '' -106R '' -106	Cap. Housing		

6.2.19 Reel servo board ass'y 2 0 PGE20040B

ا - با سورد		ard ass y [2] [U] : 13	PGE20040B
Symbol No.	Part No.	Part Name	Description
IC 1 IC 2 IC 3 IC 4 IC 5 IC 6 IC 7 IC 8 IC 9 IC10 IC11 IC12 IC13 IC14 IC15 IC16 IC17 IC18	UPC324C TC4066BP TC4071BP TC4069UBP TA7140P HA17555PS M51207L UPC324C TC4066BP M51207L TC4066BP TC4066BP TC4066BP BA6302A UPC358C	Integrated Circuit "" Integrated Circuit Integrated Circuit Integrated Circuit "" ""	CONTRACTOR OF CO
		plicaria.	
	:	Section Annual Control	Resolution (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Q 1 Q 2 Q 3	2SD636R,S "	Transistor.	
Q 4 Q 5 Q 6 Q 7	2SD636R,S 2SB641R,S 2SD636R,S	Transistor	
Q 8 Q 9 Q10 Q11	2SD636R,S 2SB751Q 2SD636R,S	Transistor "	25
Q12 Q13 Q14 Q15 Q16 Q17	2SD636R,S 2SB751Q 2SD636R,S	Transistor	
Q1,8 Q19 Q20	- ; - ;		
O21 O22 O23 O24	2SD837Q " 2SD636R,S	Transistor "	
Q25 Q26 Q27 Q28	2SB641R,S 2SD636R,S	,,	0.55 (0.55 () 0.5 () (0.55 ()
Q28 Q29 Q30 Q31 Q32	., ,, 2SB641R,S		a h ga h

在保護等等	 ń	27	110	33
大支 多点的复数形式			200	Ż,

Symbol No.	Part No.	Part Name	Description
D 1	1SS133	Diode	or braid all higher
D 2	<i>"</i>		
D 3		# (*)	Hall (81.78)
D 4	U05E	"	an carta
D 5			ER- 11. DEVIN
D 6	U05E	Diode	ASSOCIATION OF ASSOCI
D 7			Mala Section 11 Section
D 9	_		10 m
D10	1SS133	Diode	lant. I.
D11	"	,,	
D12	"	" FO	24.18-11.19-20.1-103-19-20-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
D13	"	" RVI	WE SWALL AD LIKE I
	:		·
	4	\$4.1 to.	by Arta Marca Patagong Pa
	'		
			Kala Salah A
		,	Prince Control of the
RA 1	EXB-P85224M	Resistor Array	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RA 2	"	"	A ALIE
			gradient to the control of
			Mark Control
R.1	QVP4A0B-102	VR ·	19401
R 2	QRD161J-561	CR	Yes your and
R 3	" -103 " 103	",	S. S
R 4	-103		1500 H H
R 5	" -333 " -103	,,	10 10 10 10 10 10 10 10 10 10 10 10 10 1
R 6	-103 " -124	.,	
R7	-124	"	1.500
R 9	" -682		
R10	" -222	"	
B11	" -104	"	
R12	QRV143F-5361	MFR	·
R13	QRD161J-124	CR	
R14	QRV143F-4641	MFR	
R15	QRD161J-105	CR	
R16	-103	"	
R17	QRD181J-224	in the state of th	And the Shirt of the
R18	QRD161J-103 QRV143F-5361	MFR	
R19 R20	" -5361		Cloudant of a D
R21	QRD161J-103		100 MIN 100 MI
R22	" -103		and the second second second
R23			1. S
R24			Brain former of the
R25	- '	l e e e e e e e e e e e e e e e e e e e	\$84#06.43.84 63.0
R26	QRD161J-104		NS 170
R27	" -224 " -472		4 1
R28	1 -4/2		Kritta e de la composition della composition del
R29 R30	QVP4A0B-102 QRD161J-682	į.	Total Solida VII Boli (1992) Via yawa wa Alika Kali
R30	" -472		WOINTAL BLU
R32	QVP4A0B-102	VR JOHN	I' I
R33	QRD161J-472	1	8
R34	QRD181J-103	" Nation is	templatud blocked o
R35	QRD161J-103	" (gen)	prosperior (com
R36	′′ -473		o wind no but
R37	′′ -104		Masa Ki akiji Mula
R38	'' -224		(1.8879:X97 PS1
R39	" -103	" asi Y	of an implication
R40	" -103		
	· · · · · · · · · · · · · · · · · · ·		

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Symbol No.	Part No.	P	art Name	Description
R41	QRD161J-103	CR	837	1. Sec. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18
R42	" -102	"-	83.28 	ant in the state of the state o
R43	" -331	"		Bet I here
R44	" -471	"	His .	
R45	QVP4A0B-221	VR	F. 5	Rot flyt Dablatus
R46	QRD161J-561	CR		gram in the state of
R47	-505	"		Marie 1
R48	1 -103	,,		
R49	" -223] "		2 Park 1 St
R50				16.50
R51 R52	QRD161J-224 '' -473	CR		
R52	,, -4/3 ,, -392	,,		and the state of t
R54	-392	"	- 1	The state of the s
R55	7 -103	,,,	:	
R56	" -103			18.55 (1) 18.55 (1)
R57	" -394	,,		y 40 + 25
R58	7 -105	"		
R59	" -103			
R60	" -103	,,		- 2ma - a - 1 - 1
R61	" -224	"		2 24 44 2 24 44
R62	" -103	"		
R63	" -103	.,		
R64	" -103	"		
R65	" -562	"		
R66	" -223	"		
R67	" -223	" .		
R68	" -104	".		2.14.4
R69	" -473	"		100
R70	" -104	"	4.54	Christian State (1971)
R71	" -103	"		Egym is servering the co
R72	QVZ3501-102	VR		A
R73	QRD161J-122	CR		And the second
R74	" -103	"		TO SERVE BUTTER OF
R75	" -104	"		greation and the fi
R76	" -103	"		Like week 1999
R77			- -	
R78				A CONTRACT CONTRACT CONTRACT
R79			_	
R80	_			
R81			_	design of the state of the stat
R82	_			
R83	_		_	Min the Block
R84	_		_	- 900
R85			9; — √	
R86	_ :			Mark Carlotter
R87			_	The second of th
R88 R89				A STATE OF THE STA
R90	_	1	~ <u>~</u> 50 t	Am Proposition of the second
R91	QRD161J-103	CR		and have been to be been a secretar bearings.
R91	" -223	CH "		
R93	·' -103	,,		17
R94	" -103	11	200	
R95	" -394	"	1.00	
R96	-394 " -105	,,		and the second second
R97	QRD181J-103	"	\$ ⁷⁵ + 4	Skyrolder in
R98	QRD161J-103	,,		1
R99	" -103	,,		1888
R100	-103	11		wó. Bers
R100	" -103	"		
R101	-103 " -562	"		a partition of the contract of
R102	" -223	"	h. k Mga	TENERAL VENEZA NO EN
R103	-223	"	F. 1	English Strate Control
R104	" -104	,,		1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995
. 1100	-104	L		See Clarke to Aprillage to

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Symbol No.	Part No.	Part	Name	Description	rakanyat Praka	Symbol No.	Part No.	
R106	QRD161J-473	CR	28.0	aor a revoleto la	2.)+	R171	QRD161J-472	CF
R107	" -104	"	10 m	\$347 1 13	a.91	R172	" -563	"
R108	" -103	"		KA TIN	ly \$2 ° °	R173	" -104	"
R109	QVZ3501-102	VR		Parity : 1 disp	k, pr	R174	" -104	"
R110	QRD161J-122	CR	Asi	[3.5-80A59VD]. 3	as I	R175	" -224	"
R111	" -103	"	42.50 C	manarana a	129	R176	" -224	"
R112	" -104	"		90% 1 F 18	2.5	R177	" -823	".
R113	" -103	"		1	kefi	R178	" -224	"
R114	- :			F40 1. (1.0)	keth.	R179	″ -103	"
R115					sari 📗	R180	-	l
R116	_		<u>-63</u> ")	1	4	R 181	- :	
R117	_		- 1		At the	R182	1	CF
R118	- ,		- ;	L i	de l	R183	QVZ3501-104	\
R119	_		_	1	200	R184		
R120	.		-		5 ⁶	R185		CF
R121	-		- :	1	U97	R186	" -102	"
R122				1 '	er l	R187	" -102	"
R123	_		_		150	R188	" -224	
R124	-		 .	ì		R189	-154	",
R125	-		- ;	1		R190	-393	
R126	_				5 t	R191	-104	(357)
R127	_			1	34 A	R192	-104	,,
R128	_			1		R193	-103	,,
R129	_		-	I''	A C	R194	-102	,,
R130	_			i	91	R195	-224	.,
R131	-		-	i	pike Fe	R196	-100	,,
R132	_		· —		April 1	R197	-104	"
R133			_	i .	erit	R198	-104	
R134		-	_			R199	-100	,,
R135		CR			1,14	R200	-104	,,
	QRD161J-103	"		and a second of the		R201	-102	.,
R137	1	,,				R202	" -153	
R138		1						1
	QVP4A0B-102	VR		124.7 S	. [
	QRD161J-682	CR "						
141	1	Ì		1				1.
	QVZ3501-102	VR CR		, \$40				
3143		CH "		1				
R144	2/2	VR		1) (1) (1) (1)			1
R145		CR		1		.C 1	QET41CM-107	E
	ORD161J-392 "-822	UH "				C 2	QCF31HP-103	C
R147	-022		•	1 23		C 3	1	E
R148	1 '	1		1			QET41HM-105	- '
R149		MFR		, ds	l	C 4 C 5	QET61CM-106	M.
	QRX019J-R47S	CR		I .		C 6	QFN31HK-124 QET41CM-106	E
R151		Un "		1	ag kar	C 7	QFN31HK-123	M
R152	-	,	_	1		C 8	- UFINSTHK-125	141
R153	ORX019J-R47S	MFR			11.	C 9	OFN31HK-153	M
R 155	1	CR		l ò		C10	QET41CM-227	E
R156		"	<u></u>	1		C10	" -227	
R157	1					C12	" -106	
R158	1		· _	1	e C	C12	QET61CM-106	
	QRD121J-681	CR	_	La la la	- 1	C14	QET41CM-106	
R160		-	***	201	. 1	C15	QFN31HK-473	W,
	ORD181J-224	CR		CR.		C16	QET61CM-106	E
	QRD161J-224	"		i	, sF1	C17	QFN41HK-103	M,
R163	1		-		15.	C18	" -103	'''
R164	1				į.	C19	QET61CM-476	E
R165	N .		_	K 1 .003		C20	QCF31HP-103	C
R166	I .			(6)	1	C21	QET61CM-106	E
	OVP4A0B-102	VR		157 65V	i	C22	QET41CM-106	-`
	QRD161J-103	CR		L. (6.)	,	C23	QFN41HK-223	M
R169		""		All Bay.		C24	QET61CM-106	EC
11100	1	1.00				C25	" -476	
R170	QVP4A0B-102	VR						

Symbol No.	Part No.	Part Name	Description
B171	QRD161J-472	CR SOCIAL	
R172	" -563	"	
R173	" -104	"	1 6 A
R174	" -104	"	William Committee
R175	" -224	"	
R176	" -224	" who have	5855 p.v
R177	" -823	".	
R178	" -224	"	1.7.4.
R179	″ -103	"	- 1 8 L
R180	-	-, -: : -: -: -: -: -: -: -: -: -: -: -: -: -:	fairght arc i
R181	_	`-;	1 1 1 1 1 1
R182		CR	y 1,648
R183	QVZ3501-104	VR	1 1 444
R184			
R185	QRD161J-103	CR	
R186	-102	,,	
R187	-102	,,	
R188 R189	" -224 " -154	"	
R189	" -393		
R190	" -104	at.	News 1 2 2 2
R192	" -104	"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R193	" -103	"	
R194	" -102	"	
R195	224	"	
R196	" -103		Market State of the State of th
R197	" -104	n'	purities of the
R198	" -104	"	
R199	" -153	"	
R200	" -184	"	Ave. 1
R201	" -102	" .	
R202	" -153		. *
	*		N 10 10 10 10 10 10 10 10 10 10 10 10 10
	:		
.C 1	QET41CM-107	E Cap	
C 2	QCF31HP-103	C Cap	
C 3	QET41HM-105	E Cap	
C 4	QET61CM-106	" . A.A.	Programme and the second
C 5	QFN31HK-124	MY Cap	
C 6	QET41CM-106	E Cap	a description
C 7	QFN31HK-123	MY Cap	K. 3.40
C 8	_ "	- :	1
C 9	QFN31HK-153	MY Cap	385.00
C10	QET41CM-227	E Cap	1.00
C11	" -227	"	
C12	-106	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(A)
C13	QET61CM-106	" " " " " " " " " " " " " " " " " " "	
C14	QET41CM-106		The Charles of Man
C15	QFN31HK-473 QET61CM-106	MY Cap E Cap	(96) 《原文》(《成为 【11]
C17	QFN41HK-103	MY Cap	The second secon
C17	" -103	" Cap	Salar and Salar Salar
C19	QET61CM-476	E Cap	As As Depart 21 May
C20	QCF31HP-103	C Cap	
C21	QET61CM-106	E Cap	
C22	QET41CM-106	"	
C23	QFN41HK-223	MY Cap	er per di
C24	QET61CM-106	E Cap	9 1 86.7
C25	" -476	"	v the

REEL SERVO

Symbol		I		Symbol	Landa Allanda III		
No.	Part No.	Part Name	Description	No.	Part No.	Part Name	Description
C26				C91	- 4	Section and section in the section i	
C27	QFN31HK-563	MY Cap	i i mi jaran j	C92	QFN41HK-102	MY Cap	
C28	" -223	"	. 1 Po 44 1	C93	QFN31HK-102		197754 (VAL) S. Cu
C29	QET41CM-106	E Cap	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C94	- ;	- "	0.0000000000000000000000000000000000000
C30	QCF11HP-103	C Cap E Cap		C95 C96	_		
C31	QET61CM-107 QFN41HK-103	MY Cap	A	C96	QET41CM-107	E Cap	Extension of the con-
C33	QFN31HK-122	" "	** ** ** ** ** **	C98	QCF31HP-103	C Cap	
C34	" -273	" "	i e i e	C99	QFN31HJ-103	MY Cap	Silver State of the State of th
C35	QCF31HP-103	C Cap		C100		E Cap	1.441,
C36	QET41EM-107	E Cap	# \$4.4 P	C101	QCF31HP-103	C Cap	
C37	QCS11HJ-5R0	C Cap	Paker de Jaker de Historia	C102	1	E Cap	Developed Charles Fully
C38	QET41EM-107	E Cap	71677 E	C103	1	MY Cap	
C40	QET41ER-477	E Cap	1 2 3 1	1 .	QFN41HJ-332	.m :	The state of the s
C41	QCF11HP-223	C Cap	L Januar Ba	1	3.777777002		Continue to the
C42	QET61CM-106	E Cap					0886375
C43	" -106	"					Object/States
C44	_	_					State of the second
C45	- 1	- :					
C46 C47		<u> </u>	process of the second				Marine Committee Committee
C47	_	_					
C49	_	-					
C50	_						
C51	OFN31HK-273	MY Cap	And the segrence of the	L 1	PU48530-271K	Peaking Coil	
C52	QCF11HP-103	C Cap		L 2	" -271K	"	
C53	QET41EM-107	E Cap		L 3	PU44041-104	Choke Coil	` , '
C54 C55	QET41EM-107	E Cap		L 4	PU48530-271K " -271K	Peaking Coil	
C56	QCF31HP-223	C Cap		L 6	PU50755	Choke Coil	to the said from the
C57	QET41ER-477	E Cap	epril v	L 7	_	_	
C58	QCF31HP-223	C Cap		L 8	PU48530-271K	Peaking Coil	
C59	QET61CM-106	E Cap		L 9	PU50755	Choke Coil	61 p34-c1
C60	_		African de la companya de la company	L10	-	- :	n markija, nagrili i n
C61	-			L11	_	- -	
C62 C63		_		L12	PU48530-271K	Peaking Coil	
C64	<u> </u>	_		L14	" -271K	"	
C65	<u> </u>	<u> </u>	Str. Comments of the street	L15	PU50277	"	And the second of the second o
C66			and the second	L16	PU48530-271K	"	e eller plant, alla
C67	<u> </u>	- .		L17	" -271K	"	1 1117
C68	P 3 38 4 1 1 1 1 1	<u></u> **					
C69	-			1	-		The segment of the se
C70 C71			And the second s	J201	PU50715-6	Connector	e and established the grade
C72		- ''	Contraction and Contract	J202	" -18	"	
C73		-,2,5		J203	" -16	"	1.6
C74			Production of the second	1			
C75	QET41CM-107	E Cap	eria.	1	DUDOCAA	0	1 Mar 1 1 Mar 1 Ma
C76	OCF31HP-103	C Cap E Cap			PU33644	Servo Heat Sink	for Q10
C77	QET61CM-106 QET41CM-106	E Cap	City assistant		PU50718 PU45375	Spacer	for Q15 for Q10, 15 x 2
C78	QET61CM-106	· ·			PU41624-6	Washer	x 2
C80	QET41CM-227	"	ge s	1	DPSP3008ZS	Screw	x 2 : 19 (19 19 19 19 19 19 19 19 19 19 19 19 19 1
C81	QCF11HP-223	C Cap	\$40 × 1000		GBST3006ZS	"	× 2-3-3-4-1 (28-5) - 38-5-
C82	QET41EM-227	E Cap	2 (4 7 f		PU33642	Shield Case	
C83	OCF31HP-223	C Cap		1	PU32908	Servo Board Stay	
C84	QET41EM-106	E Cap	M		GBST3006ZS	Screw	x 2 assignment for
C85 C86	QET61EM-106 QFN31HK-103	MY Cap	\$20.00 (2.00 pt) 1 (2.00 pt)	1	PU45908	Test Pin	TP1-7,9-21
C87	QFN3111K-100	_	In the second	1	. 5.,5566		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
C88	QET41CM-107	E Cap	541				
C89	" -106	"	y to the soft		4.		
C90	Andrew Aller		and the state of t			<u> </u>	

6.2.20 Capstan servo board ass'y 2 1 PGE20051A

Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
IC 1	UPC1458C	Integrated Circuit		D 1	1SS133	Diode	36.0
IC 2	LM2907N-8	Sec. 7 M.	gradianno, pro	D 2	n .	" out 1999	
IC 3	UPC1458C	n n	N. St. Start William Victory (1994)	D 3	<i>n</i> , · ·	"	5.845 S 8.45
IC 4	UPC358C		1 480	D 4	"	"	BODANO E PROGRESO .
IC 5	UPC78M10H		- 800	D 5	. "	" \$200	ATTEMPT ROOM DOT
IC 6	AN360	"	- PRE	D 6	"	·" - 1900 (44)	And define demonstration
ic 7	LM2907N-8	A688-61	alleraly (4.130) Acc	D 7		" april 1347	Distribution of
IC 8	TC4030BP	eat D	CONTRACTORS AND A	D 8	"	"	1. 其中的學術學與四個學科 · (2) [2]
IC 9	TC4011BP	260 m	हेर्न करून होश्य होते । कारम	D 9	"	"	\$3 m - 1 11 12 44cm
IC10	"	198 4 5.5	Marking Salang Data	D10	,,	1.00	\$91674(\$600) 300
IC11	TC4027BP	and (1)		D11	1	Zener Diode	
IC12	HA17555PS	1990 MA 1881 A	Branklin by Jan Andri	D12	RD4.7EB2 1SS133HV	Diode	Grimenia SulOn Inuv Vivavai kiijo 1201
IC13	TC4555BP	gald the .		D13	13313311	Diode "	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
IC14	TC4017BP			D15		<u> </u>	the first of the second of the second
IC15	HA17555PS	,,	100 100 100 100 100 100 100 100 100 100	D16	188133	Diode	
IC16	LM2907N-8	,,		D17	"		801 90 8 190
IC17	UPC358C	n n		D18	1SS99	"	18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
IC18	AN6341N	"		D19	"		*
IC19	TC4066BP UPC358C	, , , , , , , , , , , , , , , , , , ,		.			1070
IC20	TC4011BP	"	* *				35th
IC21	"	"		RA 1	EXB-P85224M	Resistor Array	1 14.
1C23	TC4066BP	""		RA 2	"	"	177
1C24	NJM2903D	"					i,
		The second second		R 1	QRD167J-101	CR	uli denta har intala ili julio ili ili ili ili ili ili ili ili ili
			10.0	R 2	" -103 QVP4A0B-103	VR	CAP FG AMP
İ	,	a sam ay day sa	and Burning	R 3	QRD167J-103	CR	BIAS
		of the grow het the	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 5	" -563	"	BIAS
	ochesen c	Transistor		R 6	" -153	<i>n</i>	i gerakelari keli dikela
Q 1 Q 2	2SD636R,S	"		R 7	" -153	"	Control to the property of the
0.3		e e se se se se se	and the state of t	R 8	" -224	"	Bully HM Strain Laboratory (1997)
0.4	2SB641R,S	P 1.3. 37		R 9	" -272	"	BOLD ENGINEERING CO.
0.5	2SD636R,S	"		R10	-472	"	4.00
0.6	"	"	,	R11	" -122	"	
0.7	. "	"		R12	" -223		1.51
0.8	2SK30A-0	FET	in kinda ji	R13	-103	1.	68
0.9	2SB641R,S	Transistor	100	R14	QRV143F-1403 QRD167J-472	MFR CR	1.187
Q10	2SC732BL	,,,		R15	QRV143F-1003	MFR	#g +
Q11	2SD636R,S	,,		R17	QRD167J-122	CR	
012	",	,,		R18	QVP4A0B-102	VR	DRUM SEARCH F
013	i	,,		R19	QRD167J-392	CR	1700
Q14 Q15	2SB641R,S 2SD636R,S	,,		R20	QRV143F-5232	MFR	1.2
016	23003011,5	1. The second	and the second of the second o	R21	QRD167J-272	CR	0.77.0
Q17	n .	"	1.881	R22	QVP4A0B-102	VR	DRUM SEARCH R
018	"	"	\$ 100 m	R23	QRD167J-222	CR	1 17 1
019	2SC1983R	"		R24	QRV143F-1002	MFR	4 April 19
020	2SB751Q	" .		R25	" -1072	" ",,,, "	Committee of State
021	2SC1983R	A Company of the Comp	s report in	R26	QRD167J-103	CR	
022	2SD639R,S	"	5.00	R27	-103	",	
0.23	1 3 19	" + 7.3%	771-1-8	R28 R29	" -103 " -104	"	Belline of the other edition of the British Bull of the British Bu
024	1	" vortensk	Andrews December 12040	R30	" -224	.,	in Make State of the Control of the
025		**************************************	LANGER OF THE CONTRACT OF THE	R31	" -154	" 34 -	Education 11 April 1
0.26	_	1 to My 1 (2, 6) 130	29.7 (4)	R32	" -153	. 450	V2
027	2SD639R,S	Ballett Services	Wasta Carr	R33	" -221	" 19 Y	and commission (1887)
0.28	1 2	** Approximate	en, 43 k. a 1 kB .	R34	′′ -102	11	BOLL STEEL WAS
Q29 Q30	1	"		R35	" -104	" .	का प्रकृतिक अ
031	1 4.0° 9°	n 200 € 1	Market to	R36	′′ -104	" cap const	stati syan tehesimpu (1994).
251				R37	" -105	"	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				R38	" -683 " 373	" . W. !	CONTROL SE SAND
				R39	-2/2	}	CTL AMP BIAS
L	<u> </u>	<u> </u>	<u> </u>	R40	QVP4A0B-222	VR	CIL AIVIP BIAS

CAPSTAN SERVO

Symbol No.	Part No.	Part Name	Description
R41	QRD167J-562	CR ad a	
R42	" -152	" (#2.31	Brookly Paget (1910)
R43	V44611-001	Bus Wire	Parks Settle House 1 to 100
R44	ORD167J-103	CR and E	
R45	·" -333 ₃	" wat to	Some approved the later
R46	" -393	" qeD :	at a country that is in the control of
R47	" -564	"	
R48	" -121	" geb 9" "	And Block has been
R49	" -272	" cest to	group, and off office
R50	" -392	"	1 (3.1)
R51	" -103	987.3	Teacher services Services
R52	QRV143F-5623	MFR . see Yes	1. 美国人名英格兰英格兰西美国
R53	" -1183	#	# - 352 F43 HOL ST.
R54	QRD167J-103	CR mac (m	Reserved to the second of the second
R55	QRV143F-1212	MFR	44 SALE
R56	QRD167J-333	CR ⊕ 5	na na regi esti.
R57	QRV143F-6811	MFR == S	er en ler egent fra fill die
R58	QRD167J-393	CR elected	and the second state of the second
R59	" -102	"	ar Artemijest, bis
R60	" -332	" 5ev 757	the contract the second
R61	" -103	" .	activity of the second
R62	QVP4A0B-222	VR	STILL WIDTH
R63	QRD167J-332	CR	381 -
R64	" -223	"	and the second
R65	" -104	"	TO MORE SETS OF SETS
R66	" -104	"	And the second of the second
R67	" -473	" 14 July 1964	to a superior of the
R68	" -104		en region of statement of the con-
R69	" -103		Value of the second
R70	" -104	"	5 () () () () () () () () () (
R71	″ -103	· · ·	April 1997
R72	-473	n and the	and the second second second
R73	" -104	"	The same of the same
R74	223	"	and the second of the second
R75	QRD187J-333		A series as a series
R76	QRD167J-472] "	St. St. Santal Comment
R77	" -472		an vice assets
R78	" -224		product and and
R79		<u></u>	
R80	QRD167J-332	CR	se en agregar la grand i post j
R81	" -473	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second s
R82	" -333	,,	
R83	" -182		
R84	-473		
R85	564	"	
R86	-472	"	
R87	" -103		A STATE OF THE STA
R88	-223	** *** *** ***	
R89	·· -104	11	A STATE OF THE STA
R90	QVP4A0B-224	VR	Wileland Mid To Gis
•	QRD167J-394	CR	
R91	" -104	" san' ya s	a daylar o
R92	-472	er car's text	At the last the same
R93	1 7/2		
R94	-100	MER	SV W.31414.
R95	QRV143F-2433	1	
R96	QRD167J-103	1011	The second secon
R97	QRV143F-1653	MFR	Shirt was a facility of the contract of
	" -1653	1	
R98	" -8252		to a little of the second of t
R99	1	1710	1
R99 R100	QRD167J-104	1	
R99 R100 R101	QRD167J-104 '' -103	"	
R99 R100 R101 R102	QRD167J-104 " -103 2 " -103	" to the second	
R99 R100 R101 R102 R103	ORD167J-104 "-103 "-103 "-104	H Special Cold	Charles Andrew
R99 R100 R101 R102	ORD167J-104 "-103 "-103 "-104	" to the second	,

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Symbol No,	Part No.	Pa	rt Name	Description
R106	QVP4A0B-102	VR	860 h 860 h	CAP. DISCRI
R107	QRD167J-472	CR		RAP 1 EVE
R108	" -474 " -223	"		Aga i Staa
R109 R110	-223 " -104	a		Bara Salita Bara Maraka
R111	" -473	"		
R112	QVZ3501-224	VR		SUB TRACKING
R113	QRD167J-224	CR	+ 1	SO Y GOVE
R114	" -683 " 104	"		Section Sections
R115 R116	" -104 " -103	,		64.4 (A80.4)
R117	" -103 " -102	,,		Server Server Server
R118	QRV143F-1802	MFR		
R119	QRD167J-102	CR	21 AND 1	CONTRACTOR
R120	QRD187J-105	"		e esterio
R121	QRD167J-154		F 82	api wasumotasi.
R122 R123	QRV143F-1272 " -1002	MFR		(9) H
R123	-1002			tidas et an elektropation and
R125	QRD167J-224	CR		\$. %
R126	QRV143F-5621	MFR		N-22
R127	" -6041	"		25 617
R128	QRD167J-222	CR		Mining the state of the state o
R129	" -104 QRV143F-6811	MFR		And the second s
R130 R131	" -3481	IVIEN.		
R132	_			
R133	QRD167J-104	CR		PRINCIPLE STREET
R134	" -332	"		Page 10
R135	" -103	"		. July 1
R136	-2/3	",		350.0
R137 R138	" -223 " -223			
R139	" -104	"		
R140	" -103	"		AND SECTION AND SECTION
R141	" -103	"		the confidence of the
R142	" -103	",		
R143 R144	" -105 " -563			Militaria di Albanda d Albanda di Albanda di
R145	-503 " -473	ï.		
R146	" -104	"		
<u> </u>	QRZ0054-150	FR		-
	QRD167J-222	CR		
R149	" -333	"		
R150 R151	" -333 " -102	"		
R152	" -472	"		
R153	" -333	"		
R154	"683	"		
R155	" -103	"		
R156	" -222 " -333	",	174	
R157 R158	" -333 " -333	"		
R159	-333 " -102	"	A Sept.	
R160	" -472		19 (19 m)	dala William St.
R161	" -333	"		S61 (48) AC
R162	" -683	"	95 - 25 A	MARINA I
R163	" -103 " 103	<i>"</i>	GELVIII SANDO	A. aboth Al
R164 R165	" -103 " -224	",	California Sports A	MADELERAND BUT AR VITA MELO AMA
R166	-224 '' -822	"	28 1	property of the state of the st
R167	" -103	"	200	30: MARA, KO ::1
		1		1
R168	″ -103	"	racia y Ma	4 (1) (8 (4) (1) (4) (8) (1) (1)
R168 R169 R170	" -103 " -822 " -222	",	ranis y Ma Sector 2	4 (1. 18 (1.18) 1822 (1. 18) (1. 18) 2 (1. 18) (1.18) 1822 (1. 18) (1. 18)

	nbol lo.	Part No	• 1	Part	Name	25.50	Description	
F	171	ORD167J-39	3	CR	网络	\$5.1× - \$3.		
	172	" -10)4	"	\$4200	1	description of	
F	3173	" -1C)4	"		100	1 2 min	
F	3174	" - <u>.</u> 10)3 [:]	"	***	#1414 11111	##2 11 H	
F	3175	22	24	"		46,15	y 3 x 1 x 3 k	
F	3176	" -18	33	n'		ALC: 10	and the second	
F	1187	1710	03	"	St.	10000	Mission and Property	
F	3178	" -10	03	"	Bani	4	The Mark State of the State of	
F	3179	" -12	23	"		0.80	The American	
F	₹180	47	73	"		-055° + 1	1 (1) 1 (1)	
F	3181	" -22	22	"		ibha -	(c0), 188	
F	3182	" -18	54	"		\$4	100	
F	1183	" -10	04	"	and military in	Ī	. Da di seding sejah keberan Sejah sejah di	-
F	R184	QRV143F-8	871	MFR	No.	9.071 46	Maragarita aga da	-
F	3185				- 1			1
F	3186	QRD167J-10	03	CR		1	Added Calendary 1997 Annie	1
	R187	_	1		_	Y	EAVI-Wellinse	
1	R188	QRD167J-10	04	CR		1		
1 1	R189	" -30	32	"	e de la companya de l			
	R190	" -4	73	"	45.1 1 184	!	successfully the con-	
	R191	" -33	32	"	4 49/4	1	Date of the state	1
1	R192	" -10	04	"				
	R193	" -4	73	"		-		
1	R194	″ -10	03	"				
	R195	-1!	54	"		1 1 1 1 1 1 1 1 1	Santa desta de persona	
	R196	-				the first		1.
	R197	-	1					
ľ	R198	QRD167J-56		CR	1913		e Palita egeraj er vite vite et	
1	R199	1	03	",		28 (1977)		1
1	R200	1	73	\ ''.		Pitt	3 VS 1 Š1	ľ
	R201	-	24	",	- 1	F 75.74	a jelj. Ne	1
-	R202		05	1		14.5		1
ŀ	R203	1		MFR		Para		1
	R204			VR		107.57		
	R205			CR		Tax or		ľ
1	R206	QRD167J-1		CR			4 4 4 4	1
	R207	1	02	"		100	1.187.43	1.
$ \Delta $	R208	PU52108-15		Posistor		stur.	8 A.D.	
$ \Delta $	R209	" -22	20K	"				
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						lat.	Acres of the Control	
						1	建物 (中) 1000年度	- -
					** /	7 40 5	n (1987) - Grand Harris (1987) - F	
		-					CANAL Segre	
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							grade in the	
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						Syrtysk Prof	eres de la companya d	
1	_			-		1		
	C 1	QET41CM-1		E Cap		28.18	1.00	
	C 2	1	476	1		land.		
	C 3	QEE41CM-2		T Cap		100		1
ŀ	C 4	QET41CM-1		E Cap		2.1,7		1.
	C 5	QEE41CM-2		T Cap			the Agent	1
	C 6	QFP42AF-1		PP Cap		1000		1
	C 7	QFN41HK-1		MY Cap		P-6/6	and the second	
	C 8	QET41CM-1		E Cap		6.50	Same and the	
	C 9	QFN41HK-4		MY Cap		\$	1.34	
1	C10	QET41CM-1	06	E Cap		1000	n vijeka v m	
	C11			-	_	20 - 20 - 50 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	Capacita Capacita	1
- F	C12	QEE41CM-1	3	Т Сар		Et.	7837	
1			10/1	MY Cap		\$ 3.5	1.08 (1.58)	ł
	C13	QFN41HK-1				1000		1
	C13 C14 C15	1	103	E Cap		ast Cu	1 (dans) 1 (10 nS)	

Symbol No.	Part No.	Part	Name	Descript	ion
C16	QET41CM-107	E Cap	render		1 1 1
C17	QCF11HP-103	C Cap	A PARKET I	\$200 may 200 m	2000
C18	QCS11HK-330	" MATE	ta wasii l	- Philosophia sea	4,25
C19	QET41CM-476	E Cap	W. 75		100 E
C20	QCF11HP-103	C Cap		649	(Bissis
C21	QEE41CM-106	T Cap		2.5%	5434.49
C22	_		_	747A	1.41
C23	QET41CM-107	E Cap		ert y	349
C24	QEE41CM-106	T Cap		name of	5344E*
C25	" -106	"		- 3 ²	Q8,0
C26	QET41CM-476	E Cap	1 1	the state of the s	999C
C27	QFN41HK-332	MY Cap	La disala	a Bros Marine A.	1700
C28	QEE41CM-106	T Cap	100	A \$1.00	242
C29	QCS11HK-471	C Cap	5 47 A .	agreement of the first section of	Duliet.
C30	_		19. <u>- 1</u>		4.701
C31	QEE41CM-226	Т Сар	73.44	AN ANALONA	0.07
C32	QFP42AF-162M	PP Cap	14-14		Y .
C33	QFN41HK-104	MY Cap		The state of the state of	Aut to
C34	QET41CM-106	E Cap		·-	tores
C35	QFM41HJ-152M	MY Cap		A Part	4.15
C36	QFN41HK-152	,,			
C37	-102	,,		And American	
C39	" -103	C Cap			
C40	QCF11HP-103 QET41EM-107	E Cap			
C40	" -476	L Cap			- 441 - 1. 1. 745
C42	QFN41HK-103	MY Cap			
C43	QFM41HJ-333M	, Cap			5. 2557
C44	QET41CM-476	E Cap		1.77	
C45	" -106	L Cup			
C46	-107	"			
C47	QFN41HK-102	MY Cap			
C48	QCF11HP-103	C Cap		5.0	
C49	QET41CM-107	E Cap			
C50	QFN41HK-103	MY Cap			4
C51	QFM41HJ-183M	"			., ta
C52	QFN41HK-333	"		1	
C53	QET41CM-107	E Cap		14%	60.00
C54	QCF11HP-103	C Cap			
C55	QEE41CM-226	Т Сар			. :
C56	QFP42AF-272M	PP Cap			1. 1
C57	QFN41HK-333	MY Cap			4.55
C58	QFP42AF-122M	PP Cap		Y'r.	
C59	" -122M	"			1.0
C60	" -242M	"		district	
C61	QET41CM-106	E Cap			**
C62	QFN41HK-472	MY Cap			
C63	QET41CM-106	E Cap		E. S.	5.5 ·
C64 C65	QFN41HJ-102 QFM41HJ-563M	MY Cap			Or July
C66	QFN41HK-332	,,		Pada and Pada Anni Awar	e provin
C67	QFP42AF-154M	PP Cap		February Control of the Control of t	
C68	QFN41HK-104	MY Cap			
C69	QEE41CM-106	T Cap			
C70	QET41CM-227	E Cap	nu na uja n	. Programme and the second	76 T
C71	QCF11HP-103	C Cap	1 174	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1137 4 377
C72	_		- 		
C73	QET41EM-476	E Cap		ley.	G. C.
C74	QCF11HP-103	C Cap		J	egan e
C75	QEE41EM-475	Т Сар		lat was as	
C76	" -475	"			75 6 6
C77	QFN41HK-103	MY Cap		Ka	
C78	QCF11HP-102	C Cap		4	No.
C79	QET41HM-475	E Cap		1	
C80	QCF11HP-102	C Cap			3]
					

6.2.21 Drum servo board ass'y 22 PGE20084B-01

ymbol Part No	Part Name	Description
C81 QET41HM-4 C82 QET41CM-4 C83 QCF11HP-10 C84 QET41CM-1 C85 QCF11HP-10 C86 QET41EM-1 C87 —	76 " D3 C Cap D7 E Cap C Cap	200 (10) (10) (10) (10) (10) (10) (10) (1
C88 QET41CM-1 C89 QFN41HK-1 C90 QET41CM-4 C91 QFN41HK-1 C92 " -1	52 MY Cap 76 E Cap 03 MY Cap 03 " 893 " 23 C Cap 22M MY Cap	\$ 45 4 52 4 55 52 1
		### 1 ### 1
L 3	71K " –	March Marc
J211 PU50715-6 J212 " -20 J213 " -20		1
PU32908 GBST30062	Servo Board St Screw	ay
		Commission of the commission o

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10	Symbol	Part No.	u dss y [2][2] .	Description
IC 2 M51490L IC 3 UPC78M05H IC 4 TC40118P IC 5 MN50005JVE IC 6 TC40118P IC 7 AN8342N IC 8 UPC1458C IC 9 M51490L IC10 TC4538BP IC11 HA17555FS IC11 TC4058BP IC11 HA17555FS IC12 TA78009AP IC13 AN6671K IC14 AN6344 IC15 TC4068BP IC16 "" IC16 "" IC17 UPC1458C "" IC18 TC4069UBP IC20 NJM2903D "" IC19 TC4001BP IC20 NJM2903D "" IC19 TC4001BP IC20 NJM2903D "" IC19 TC4058C IC18 TC4068BP IC19 TC4001BP IC20 NJM2903D "" IC19 TC4001BP IC20 NJM29	No.	The second secon	1 (24 (27 %) The Art The Tr	
IC 3				TO BOW SERVICE AND THE SERVICE
C 4			"	
C 6	t 1		"	
C 6		· ·		753 CS2 1 CF3
C ANO-342N C S WE1490L C C WE1496E C ME1490L C C ME1490L C C C C C C C C C	IC 6	TC4011BP	. "	1
C 8	IC 7	AN6342N	4.7	1
C10	IC 8	UPC1458C		
IC10	1	No.		
IC12			7	
C13	t			
IC14	1			
IC15	1	1		
C16	1		"	
C17	IC16	"	"	the state of the state of
C18 C24090BP C24090BP C2400BP C250636R,S C3 C350536R,S C4 C4506BP C5506BP	IC17	UPC1458C		1 X.1
C19 C40018P C200 NJM2903D "	-t			The American
C20	i .			
Q 1 2SC1545B	1C20	M1MIS803D		
Q 1 2SC1545B				A STATE OF THE STA
Q 1 2SC1545B			1,88.4	Programme Commence
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Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
D 9	1SS133		The Highertranage	R46	QRD167J-104	CR OCC	The war had daily 1869
D10	"			R47	" -393	"	JERNOTATOTI DEL
D11	"		1968年4月1日中央 (1965年1月) 1968年1月1日 - 1967年1月1日 - 19	R48	" -393	" veCror-	
D12	1SS99	,	TATES DUE 1	R49	-393	" \$400.554 " \$400.554	DIESOLOTED MO
D13	1SS133	,,		R50	" -472 " -332	980 29	
D14	,,	·	MSD(3/40), 0, 104	R52	QVP9A0B-473	VB	1 335
D15	,,	· ii	266 - 646 - 5	R53	QRD167J-472	CR 4000	ing a Average and a second
D10	11DQ04FA-8	"	0.8 M : 6/4 F P : 18	R54	" -390	" ga@nhazh	At vertexine Sec
D18	1SS133	"	Personal Solution	R55	" -390	" SNOTH	Harris (n. Vistor 1965)
D19	_		SEXTAGE	R56	" -104	· Section State	THE RESPECT OF
D20	1SS133	Diode	water Charles and the second	R57	" -222	"	A AND A SHOWN A
D21	"	".	4. Sammer has be	R58	" -152	"	A Common
D22		50 H	GASTERN, DOTT	R59	" -224	" and the	
D23	"	"	Sedential Endoughility of the	R60	" -103		by miles if defined redeem for you than
D24	. "	,,,	A VIII III III III III III III III III I	R61	-225	" Allehovira	Some Post of what the control of the
D25	"	"	1	R62	-220	"	
D26	"		The part will be to the con-	R63	" -102 " -472	"	
			1865/45 (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	R65	" -103	,,	
D 1	QRD167J-473	CR	1 8 4 1 1 2 5 5 5 1 3 4 5 5 8 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R66	" -103		
R 1	" -104	",		R67	" -103		
 AR 3	PU52108-1R0	Posistor		R68	_	_	
R 4	QRD167J-104	CR		R69	QRD167J-224	CR	
R 5	" -222	**		R70	" -273	"	
R 6	" -152			R71	" -102	"	
R 7	" -224	**		R72	" -104	" on the second of the second	Designation (
R 8	" -563	" all region	90200 TOU	R73	" -223	",	
R 9	" -223 " -153	,,	10 (10 (10 (10 (10 (10 (10 (10 (10 (10 (R74	-104		
R10	" -153 " -473	140 m 27 mm - 23	Stages fifting and a second	R75	" -104 " -223	" of a periodical"	The second of th
R11 R12	" -153			R77	" -104		The state of the s
R13	" -104			R78	" -103	"	
R14	" -563	"		R79	" -103	,,	
R15	" -223	,,		R80	" -104	"	the second second second
R16	" -563	"		R81	" -224	"	
R17	" -153	" .		R82	" -222	"	
R18	-103	"	e i a moding di	R83	" -222	"	
R19	" -393	# was 1 7	The state of	R84	-104	# 12 12 12 12 12 12 12 12 12 12 12 12 12	- M
R20	" -682 " -682	* was a second		R85	-002	"	
R21	-002	,,		R86 R87	" -474 " -105	"	
R22	" -153 " -153	re sugaren		R88	" -102	"	
R23	-102		e const.	R89	" -102	" .	·
R25	" -103	**	95.2 APT - 1.3	R90	" -102	·	DARKE, TE
R26	″ -103		TENERS OF SEC.	R91	" -102	"	
R27	" -563	"	removal to p	R92	" -473	"	
R28	" -104	"		R93	″ -223 s	1	satisfy a second
R29	" -473		rad Myster Johnson	R94	" -561	(4.00 c)	. Partier 1787;
R30	" -104	"		R95	" -222 " -102	"	
R31	" -223	A second	35 y 31 3	R96	" -102 " -222	"	
R32	" -473 " -563	off in twitter	1.0	R98	·-222 ··-333	,,	
R33	" -563 " -223	"	24 mg 20	R99	-682	"	
R34 R35	-223 -103			R100		"	
R36	" -563	"		1	QRX019J-8R2	MFR	
R37	" -473	<i>n</i> - 1		1	QRD167J-222	CR	
R38	" -103	Maria Para de la companya della companya della companya de la companya della comp	P. Carrier	R103		"	
R39	" -473	"	in the second	R104	1 .	" .	
R40	" -223	"	5.444.5	R105		"	
R41	" -332	"		R106	I.	"	
R42	-562	",		R107	-104	",	
R43	" -563 " -472	'',	1 1 1	R108 R109	" -103 " -103	"	
R44	7/2	"		R1109	-103	"	,
R45	" -221	<u> </u>	<u> </u>	11110	1 -020	<u> </u>	1

ALCOHOL Sense are a sense to sense to the Sales

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Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Name	Description
R111	QRD167J-224	CR	Constitution of the second	R176	QRD167J-103	CR	
R112	" -102	,,	PARC STATE	R177	1	MFR	ESETTETT ST
R113	" -8 2 3	n		Dr.	QRD167J-103	CB	
R114	" -103	l n		R179	-103	(A) (A)	
R115	" -272	n a		R180			the state of the s
R116	" -271	"		R181		"	
R117	" -103		TOURSESSEN Y D	R182	1	045. nave	Sin week and high voice
R118	" -394	" that's migration	ETE PRODECT A	ls .	QRD161J-103		
R119	" -472	"Disks operation"		R184	-105	Maria Di	\$2.400 e 780 j. 120
R120	" -105	,,		R186	-22-4	# 0#U 0 :	Continue de la companya del companya del companya de la companya d
R121	" -5 6 4	"		R187	}	927 194 de la companya de la company	18 1818 1780 182
R122	" -105	"	Alle Land	R188	1 .	"	
R123	QVP9A0B-104	VR		Į.	5		II. 100 100 100 100 100 100 100 100 100 10
	QRD167J-223	CR	1	(.)		natur Sir	CLAVETAGGE ELLE
R125	QVP9A0B-104	VR		l.		100	TETT TO THE SECOND
R126		CR	Your transplant to the second	C 1	QET41EM-107	E Cap	
l .	QVP9A0B-154	VR	4 4 4	C 2	QCF11HP-103	C Cap	
R128	QRD167J-223	CR		C 3	QET41CM-476	E Cap	
R129	" -394	"		C 4	QET41CM-476	" Cap	- 455 min 453 310 58 3 - 174 476 4776 1 4750
R130	" -474	"		C 5	QCS11HJ-151	C Cap	
R131		MFR ALLEGA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C 6	QFN41HK-103	MY Cap	854 to 44 to 5
R132		CR	1	C 7	QFV41HJ-474M	TF Cap	1944 1041140 041
R133	QRV143F-4121	MFR 2 May 44	Glassia 1 d. g.	C 8	QCF11HP-103	C Cap	The first of the f
R134	" -6192	"	100	C 9	QET41CM-227	E Cap	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R135	QVP9A0B-682	VR]	C10	QET41EM-227	"	remaining a market and a
R136	QRV143F-4641	MFR	. Programs was	C11	QCF11HP-103	C Cap	A recognition of the control of
R137	" -3481			C12	QET41CM-227	E Cap	
R138	QRD167J-564	CR		C13	QCF11HP-103	C Cap	
R139	-224	" care Organ	SCHOOLS,	C14	QFN41HK-103	MY Cap	At a supplier of the same of the gradient and the
R140	-105	"	Barb Tide (1)	C15	QET41HM-105	E Cap	SE CHARLES TO FILE OF A WAY
R141	′′ -102	"		C16	QET41CM-107	11 September 1	14 16 44 E 10 40 E 36 D
	QVP9A0B-102	VR		C17	" -227	. "	The state of the s
ľ	QRD167J-562	CR	100 April 100 100 April 100 100 April 100	C18	QFN41HK-104	MY Cap	and the control of the probability of
R144	1 '''	MFR		C19	QCS11HJ-330	C Cap	
i	QRD167J-683	CR programme	Withday Captains	C20	·· -330	March 2 Con	the Confidence of
R146		-		C21	QFN41HK-152	MY Cap	Music Partiff 66.
R147	_	exection or respective	State of the lead	C22	QCS11HJ-561	C Cap	TAIR HITTER DESCRIPTION
R148	-		1 (4-00 LDT) 4 (C23	QFP42AF-102M	PP Cap	gar to the control of the control of
R149	0001071100	CR	7740000 ST	C24	QET41HM-105	E Cap	MADE PERMIT
R150	1 7 7	un un	.	C25	QET41HM-105	" was 0	Ethan Chan Charlester Consideration
R151	" -103 " -103	,,		C26	QET41CM-227	\$35,000 m	Education Services
R152 R153	-103 " -472	,,		C27	QCF11HP-103	C Cap.	did to the see this will be
R154	1	,,		C28	QCS11HJ-471		
R155	-100	"		C29	QET41CM-227	E Cape.	A CHARLEST STATE OF THE STATE OF
R156	1	11.		C30 C31	QCF11HP-103	C Cap	1 A 1 1 1 A 3 1 1 1 3 4 1
R157	1 . 7/7	"		C31	QCS11HJ-101 QFN41HK-103	1000 000 000	g kang dalam tan kang kalamang dalam ta
	QRV143F-3573	MFR			QCS11HJ-150	MY Cap	ASSESS THAT OF CHARGE AND A SECURITION OF THE COMMENTS OF THE
R159	7 -1783	" "		1 1	QET41CM-227	E Cap (%)	
R160	" -3573	"	·	C35	QCF11HP-103	C cap	The same wants give
1	QRD167J-333	CR		C36	QCS11HJ-101	U Cap	90 - 3 7 D T G WC - P C 1 1
R162	" -103	·n		C37	" -101°	· · · · · · · · · · · · · · · · · · ·	en in the formation of the second
R163	" -222			1. 1	QET41CM-336		Automotive Section 2
R164	" -103	"		1	QET41EM-106	"	
R165	″ -182	"	. •	C40	" -106	"	to proper and and with the
R166	" -330	"		C41	QCF11HP-223	C cap	A COMMENT AND A DEC.
R167	" -821	"		1	QET41CM-476	E Cap	ear an causin
R168	" -183			C43	·· -476	www.13.	e consisted (selection type)
R169	" -562			C44	QCS11HJ-151	C Cap	LIA MENACESIAN D
R170	" -222	"		C45	QFN41HK-103	MY Cap	
R171	" -470	"		C46	QFV41HJ-474M	TF Cap	graduated by a second
R172	" -821.		· · · · · · · · · · · · · · · · · · ·	C47	QET41HM-105	E Cap	schaffetőTekkist i.
R173	" -103	"		1: 1	QFN41HK-103	MY Cap	2010年1月1日 1日
R174	" -391	,,		C49	" -102	"Own She	554-647544-6-6-7-4-4-7-5
R175	332		القوامير الله أستني	C50 (QFM41HJ-104M	e i i i i i i i i i i i i i i i i i i i	

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mbol No.	Part No.	Part Name	Description
C51	QFN41HK-103	* 891	
C52	QET41CM-227	I F (.an)	
C53	QCF11HP-103	C Cap	
C54	QFN41HK-103	MY Cap	100 TOST
C55	QFN41HK-104	"	The state of the s
C56	QFN41HK-222	MY Cap	
C57	QFM41HJ-104M	"	Real and the state of the state of the
C58	QET41CM-107	E Cap	Array Barrayan
C59	QCF11HP-103	C Cap	445 AVE 1
C60	QET41EM-106	E Cap	
C61	QFN41HK-223	MY Cap	885 86 86 86 86 86 86 86 86 86 86 86 86 86
C62	·· -473	"	Part of the second of the seco
C63	QER41HM-225	E Cap	
C64	" -225	"	
C65	QFN41HK-333	MY Cap	
C66	QFZ9011-104	MP Cap	AN THE STATE OF TH
C67	QER41HM-225	E Cap	Marchael Wrange in Disc
C68	QER41HM-225	" Same 3	Lancas and Abel Est
C69	QET41EM-107	"	[14.44] (MB)
C70	QET41EM-107	11 (1994)	B. 新
·C71	QFN41HK-223	MY Cap	August August State
C72	QFZ9011-104	MP Cap	
C73	QET41EM-107	E Cap	gand with all the
C74	QET41CM-107	# governo	Lawari, Hair de l
C75	QCF11HP-103	C Cap	· [1] " [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
C76	QET41HM-105	E Cap	January State of
C77	QFN41HK-103	MY Cap	and the second of the second
C78	QFM41HJ-104M	** *** ***	And the state of t
C79	QET41HM-105	E Cap	Company of Allerthy Company
C80	QET41HM-105	**************************************	And the second of the
C81	QFM41HJ-393M	MY Cap	
C82	QFM41HJ-393M	"	
C83	QFM41HJ-103M	** v Ann	A STATE OF THE STATE OF
C84	QCS11HJ-330	C Cap	
C85	QFP42AF-273M		
C86	QFM41HJ-223M		The second second
C87	QET41CM-227		Maria Carlos
.C88	QCF11HP-103		and the same that are the
C89	QFN41HK-104	'	The state of the state of
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		1	the rest that the
	1	· '	the state of the s
C93	QFP42AF-103M	'	
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C111	QET41EM-475		and the state of t
	LOTE A 2 LIN A 1 A C	<i>n</i>	
C112	QET41HM-105		
C112 C113 C114	QFN41HK-223 QEE41CM-475	MY Cap TAN Cap	and Mark Spiles Color
	C51 C52 C53 C54 C55 C56 C57 C58 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C71 C72 C73 C74 C75 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C96 C97 C96 C97 C96 C97 C97 C97 C97 C97 C97 C97 C97 C97 C97	No. Part No. C51 QFN41HK-103 C52 QET41CM-227 C53 QCF11HP-103 C54 QFN41HK-104 C55 QFN41HK-104 C56 QFN41HK-104 C56 QFN41HK-222 C57 QFM41HJ-104M C58 QET41CM-107 C59 QCF11HP-103 C60 QET41EM-106 C61 QFN41HK-223 C62 "-473 C63 QER41HM-225 C64 "-225 C65 QFN41HK-333 C66 QET41EM-107 C67 QER41HM-225 C68 QER41HM-225 C69 QET41EM-107 C70 QET41EM-107 C71 QFN41HK-223 C72 QFZ9011-104 C73 QET41EM-107 C74 QET41EM-107 C75 QFN41HK-223 C72 QFS011-104 C73 QET41EM-107 C75 QEF11HP-103	No. Fat No. C51 QFN41HK-103 C52 QET41CM-227 C53 QCF11HP-103 C54 QFN41HK-103 C55 QFN41HK-104 C56 QFN41HK-104 C56 QFN41HK-222 C57 QFM41HJ-104M C58 QET41CM-107 C59 QCF11HP-103 C60 QET41EM-106 C61 QFN41HK-223 C62 " -473 C63 QER41HM-225 C64 " -225 MY Cap " C65 QFN41HK-333 MY Cap " C66 QF29011-104 MP Cap E Cap C67 QER41HM-225 C68 QER41HM-225 C69 QET41EM-107 C70 QET41EM-107 C71 QFN41HK-233 MY Cap MP Cap C72 QET41EM-107 C73 QET41EM-103 C74 QET41HM-105 <t< td=""></t<>

Symbol No.	Part No.	Part Name	Description
L 1 L 2 L 3 L 4 L 5 L 6	PU48530-271K '' -271K '' -271K '' -271K '' -271K '' -271K PU49994-120	Peaking Coil	
L 7 L 8 L 9 L10 L11 L12	PU55811-391 PU30284-51R PU48530-221K "-271K "-271K "-271K	Coil Choke Coil Peaking Coil "	
CN 7 CN 8 CN 9	PU50715-17 " -14 " -14	Cap. Housing	
<u>∧</u> × 1	PU31449-2	Crystal	en en en en en en en en en en en en en e
<u></u> ACF 1	PU55407	Ceramic Filter	
SW 1	PU49847	Slide Switch	SON BUT OF THE PERSON OF THE P
	PU45908 PU57545	Test Pin "	TP3, 4, 14, 18, 33, 34 TP1, 2, 5–13, 15–17,
	PU32908	Servo Board Stay	er fallonde swerten bij vill van de fill Deskel of New Yorks (1984) New Yorks (1984)
	GBST3006Z	Screw	x 2
<i>1</i>	PGD30411 PGD30412 PGD30413	Shield Case " "	
	.*		200 200 200 200 200 200 200 200 200 200
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ſ	Symbol No.	Part No.	8	Part Name	Description
ľ	∆ CN 1	PU50714-6		• • • • • • • • • • • • • • • • • • • •	graviosti (i i)
	∆ CN 2	" -18	İ	• • • • • • • • • • • • • • • • • • •	
1	∆с и з	" -16			
9 10 1	⚠CN 4	" -18		grand "I Gap"	
	ACN 5	" -18			
	△ CN 6	" -6		, "	
ļ	∆ CN 7	" -17	.	"	
١	A CN 8	" -14		"	
	ACN 9	″ -14		"	
١	CN10	_		_	1.
	CN11				
	CN12	_		_	
	CN13	_			
	CN14			'	
	↑ CN15	PU43351-9		Cap. Housing	Local Comment Of the Co
	 CN16			ANGELE PERSON	a deservation of the second of
	 CN17	1			196.878
	⚠ CN18			State (Sept. Act Alb	walft statis
	 CN19			. "	Vastra y V
	 CN20	1,111,111			
	 CN21	1			
	⚠ CN22	L		<i>H</i>	A second second
	 CN23	1		11	
	 CN24	I .		"	
	⚠ CN25			. "	
	1 CN26	1		,,	
	⚠ CN27			"	
	A CN28			"	
	A CN29			,,	
	A CN30			"	
	253 (140)	1			* .
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					1 Janeiro VII
	1000	pws/ett	-	report rest	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		BU00010		Mother Board Stay	/ × 2
	1	PU32910		Board Guide	x 2 x 2
	1	PU33641			x 2 x 4
	-	GBST3008Z		Tapping Screw	1
		SDSA3008Z		Screw	x 4
		PGZ00086		Board Holder	x 2
				L	11

Symbol No.	Part No.	Part Name	Description
	PGE40097-01-01	Front LED Board	
D 1 D 2 D 3	GL-9NG2 GL-9PR2 GL-9NG2	peared or feel LED Splinker "	्रिकेट के हार के प्रकार के किया है है कि किया है कि किया है कि किया है कि किया है कि किया है कि किया है कि किय स्थितिक किया है कि किया किया किया है कि किया है कि किया है कि किया है कि किया किया है कि किया है कि किया है कि
R 1 R 2 R 3	QRD167J-102 "-821 "-102	CR	A PARTIE OF THE STATE OF THE ST
	PU50634-2	LED Spacer	x 3

6.2.25 Rear-2 board 2 6 PGE30074A

Symbol No.	Part No.	Part Name	Description
R 1 R 2	QRD161J-101 " -101	CR	
	PGZ00173 PGZ00174	Connector	7-pin 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

6.2.26 LD/UNLD SW board 27

Symbol No.	Part No.	Part Name	Description	S. 1. 20
tinare.	PGE40069-1-1	LD/UNLD SW boa	ird en gregié Ballan	
			* * * * * * * * * * * * * * * * * * * *	

6.2.27 Photo interrupter (TU reel FG) board 28

Symbol No.	Part No.	Part Name	Description
	PU55701	Photo Interrupter	
C 1	QCF11HP-223	С Сар	

6.2.23 Search VR board 2 4

Symbol No.	Part No.	Part Name	Description
	PGE40105	Search VR Board	Land Lander
	PGZ00001-3 PU43351-106 QVZ3531-472	Search VR Cap, Housing VR	

6.2.28 Photo interrupter (Supply reel FG) board 2 9

Symbol No.	Part No.	Part Name	Description
	PU55701	Photo Interrupter	1
C 1	QCF11HP-223	C Cap	er enality of j

6.2.29 Jack board 3 0

Symbol No.	Part No.	Part Name	Description
	PGE40094-01-01	Jack Board	ta-rekitekimakiti
	PU51574 PU51575	Mic Jack Headphone Jack	x 2 \$2448 (427) \$350 (407) (107)
	PGZ00406	VR	
CN 4 CN 5	PU43351-6 " -106	Cap. Housing	20 \$ 11 N A \$ 12 89 \$ 1 1 1 1 1 1 1

Symbol No.	Part No.	Part Name	Description
R 1 R 2	QRD167J-100 "-100	CRate of State	
	PU49215-104	Cap. Housing	

6.2.30 Display board ass'y 32 PGE30003A2 Symt

Symbol No.	Part No.	Part Name	Description
	PU50660-2	FDP	
	. 1984 D	and the state of	Table 1988
	PU50515	Display Holder	The second secon
	SDSA2608Z	Screw	x 2
0.4	0.70000	Push Switch	
S 1	PGZ00029	l .	and the second second
S 2			A STATE OF THE STA

6.2.34 Pickout detector board 38

Symbol No.	Part No.	Part Name	Art Asi	Description
	PGE40012	Pickout Detector B	Board	
	PU50576	Photo Interrupter	l s	A service of the serv

6,2.31 VR board (2) ass'y 3 3 PGE30049A2

Symbol No.	Part No. 100	Part Name	Description
R 4	ORD121J-151	CR	
R 8	PGZ00023-001	VR	·
R10	PGZ00023-001	VR Pilotopa A/Ti angga	ness stort in the

300 300

6.2.35 Hour meter board 4 0

Symbol No.	Part No.	Part Name	Description
	PGE40099-01-01	Hour Meter Board	GERSEAN TRITECK SERVICESHI
R 1 R 2 R 3	QRD167J-183 "-392 "-274	CR CRAC	SERECE SERVICES
	PU44398	Fuse Socket	× 2

6.2.32 VR board (3) ass'y 3 4 PGE30049A3

Symbol No.	Part No.	Part Name	Description
S 1	PU50638	Rotary Switch	SECOND SECOND
CN16 CN17	PU43351-3	Cap. Housing	The state of the s
	PGD40419	Guard 799	Algebrasia de la Carlo de Carl
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

6.2.36 Power transistor board 4 1

Symbol No.	Part No.	Part Name	Description
A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PGE40014-1-1	Power Transistor E	Board
IC 1	STK5730	Hybrid I.C.	Flot restablishment !
<u> </u>	QRD167J-222	CR************************************	eg () discher Telebergen
∆ C 1	QET41CM-337	E Cap	The second secon

6.2.37 Audio sub board ass'y 4 2 PGE30075A-01

Symbol No.

6.2.39 Color frame servo board ass'y 6 3

Part Name

Part No.

PGE20105A-01

Description

Symbol No.	Part No.	Part Name	Description
IC 1 IC 2	TC4066BP M5218P	Integrated Circuit	
Q 1	2SD973AR	Transistor	Windows •
R 1 R 2 R 3 R 4 R 5 R 6 R 7 R 8 R 9	ORD167J-103 " -103 " -122 " -124 " -124 " -0 ORD167J-392 " -392	CR	The SECONDS CONTROL OF THE SECONDS CONTROL OF
R10 R11	QRX019J-151S QRD167J-561	MFR CR	
C 1 C 2 C 3 C 4 C 5 C 6	OEN41HM-225 "-225 OET41CM-337 OET41EM-475 OET41CM-477 "-476	NP Cap " E Cap " "	
B 1	QRD167J-102	CR	
CN 1 CN 2 CN 3 CN 4	PU43351-4Y "-3R "-3 "-2	Cap. Housing	
	PU56008	Test Pin	TP1

	and the second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
IC 1	BA401	Integrated Circuit	ran era harar barra
IC 2	TC4584BP	"	
IC 3	BU4001B		Made State
IC 4	TC4015BP	n .	
IC 5	TC4069UBP	4 4 m	
		15 75 975 11 15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
IC 6	TC4013BP		STANCES OF THE STANCES OF THE STANCES
IC 7	TC4538BP		Jan 1 East
IC 8	TC4017BP	"	21+1 × 1168
IC 9	MN50005JVE		Maria Tilliana
1C10	TC74HC4040P	н	Age 1 1 Julyan
IC11	TC4040BP	"	Maria mana
IC12	TC4085BP	H.S.	
IC13	TC4071BP	,,	
	1		Series Services
IC14	1	* * * * * * * * * * * * * * * * * * *	and the state of the state of
IC15	TC4015BP	"	
	•		No. 1
0.4	DT010155	10 -	
Q 1	DTC124EF	D. Transistor	Participation of the second
Q 2	2SD636R,S	Transistor	A STATE OF THE STATE OF
O 3	DTC124EF	D. Transistor	
0.4	2SB641R,S	Transistor	
	<u> </u> -		
		riland y	The state of the s
			The second second
			P. S. Carrier
D 1	1SS133	Diode	e de sant per proprieta de la composition della
D 2	"	"	La Alla Staria
D 3	<i>n</i>	"	No. of State of Artists of the Control
D 4	,,		
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R 1	QRD167J-682	CR	
R 2	" -103	"	enter exercisis de la filia de la composición del composición de la composición de la composición de la composición de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la
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R 3	-103	45.00	AND HARDWARD OF
R 4	QRV143F-3012	MFR	Sales of the Market State of the
R 5	QRD167J-103	CR	to the second second
R 6	" -823	Marin A.A.	Programme and the second
R 7	- : :	_	La Company
R 8	_	_ `	Programme and the second
R 9	QRD167J-222	CR PLANTED	
R10	" -103	"	
	-103	.,,	al distance
R11	-100	,,	C1 80
R12	-082		and the same of th
R13	QRV187F-4222	MFR	200
R14	QRD167J-222	CR	100
R15	′′ -104	"	L.V
R16	" -154		
R17	″ -100	"	asist to the SVI of
R18		"	[13] 4CT
	-100	,,	S 200 (1)
R19	-154		and the second
R20	" -102	(a, b, r)	Exist Company (Vert
R21	" -102	" " " "	880
	" -823	"	(CA)
R22	" -102	"	
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R22 R23			the state of the second section of the second
1			a kang majara manamatan jarah sa sa sa sa sa sa sa sa sa sa sa sa sa

6.2.38 C/F sub board ass'y 46 PGE40149A

Symbol No.	Part No.	Part Name	Description
IC 1 IC 2	TC4011BP TC4013BP	Integrated Circuit "	
Q 1 Q 2 Q 3 Q 4	2SC2647C DTC144EF "	Transistor D. Transistor ""	
D 1	1SS133	Diode	
R 1 R 2 R 3 R 4 R 5 R 6 R 7	ORD167J-333 " -104 " -223 " -273 " -104 " -223 " -223	CR " " "	
C 1 C 2	OCF11HP-223 " -223	C Cap	
CN1	PU43351-4	Cap. Housing	
	DPSP3008Z NNS3000N	Screw Nut	

CLAROLE WOLFERS

Symbol No.	Part No.	Part Name	Description
R26	QRD167J-154	CR-strengerers	Fishwood I is Dis
R27	-124	"	SAMPROTE TO
R28	" -102	<i></i>	
R29	" -334		5465 (440) W (14.
R30	QRV143F-2002	MFR	18748899711713
R31	QRD167J-222	CR	HAME PROPERTY OF THE SAME
R32	" -820	"	
R33	-472		98 (MARCH 198)
R34	" -104	"	A CHARLET A
R35	" -153		MARINE (D.M.)
R36	" -102	"	THE PERSON OF TH
R37	" -474	"	50 (82 (83) 10 (8) 1 (8) (8) (8)
R38	" -100	"	\$45,000 F1 U
R39	" -100	"	· · · · · · · · · · · · · · · · · · ·
R40	" -100		Sometimes to the second
R41	" -153	"	
RA 1	EXB-P85104M	Resistor Array	total of the
RA 2	" "	100 tan	N944 - 37
		time of the	The second of th
		and the state of t	esta e
C 1	QCF11HP-473	C Cap	
C 2	" -473	"	
C 3	′′ -473	"	
C 4	" -473	"	
C 5	QET41CM-227	E Cap	
C 6	QEN41EM-475	NP Cap	
C 7	QET41CM-107	E Cap	
C 8	QCF11HP-223	C Cap	
C 9	QET41HM-105	E Cap	
C10	QCF11HP-223	C Cap	
C11	QFP42AF-102	PP Cap	1
C12	QCS11HJ-151	C Cap	
C13	QET41HM-105	E Cap	
C14	QET41CM-476	1	-1
C15	QCF11HP-223	C Cap	
C16	QCT05HH-330	"	
C17	" -330	["	
C18	QCS11HJ-561		
C19	QFN41HJ-152	MY Cap	
C20	QFP42AF-102	PP Cap	
C21	OCF11HP-223	C Cap	
C22	-220		
C23	QFN41HJ-103	MY Cap	
C24	-100	0.0	
C25	OCF11HP-223	C Cap	Acres and
C26	-225	" "	
C27	-223	, , , , , , , , , , , , , , , , , , ,	
C28	'' -223	,,	The second
C29	-223	,,	
C30	'' -223	,,	
C31	-223		
C32	" -223		
C33	-223	,,	
C34	" -223	",	
C35	" -223	, , , , , , , , , , , , , , , , , , ,	
C36	223		The first terms of the second
C37	QET41CM-107	E Cap	
C38	" -107		
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A - 1 / 1 / 1	Part No.	Part Name	Description
No.		· 管理研究。1975年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 - 1987年 -	Description
L 1 L 2	PU48530-221K " -221K	Peaking Coil	
L 3	" -221K	"	Land Strategies (1) Con
	* *	4/1/48 (JTT)	SAME SAME
			A second of
ACF-1	PU55407	Ceramic Filter	A STATE OF THE STA
			Maria de la Arraga
			The second of th
CN 1	PU43351-4R.	Cap. Housing	
CN 2 CN 3	" -10 " -2R	,,	
CN 4	" -2Y	"	
CN 5	" -3Y " -4	" . '· ;	Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Sa
CN 6 CN 7	" -2		Company of American States and American States
CN 8	" -3		the second of the second
			A Property of the Control of the Con
	PGZ00354	Ferrite Beads	K1-K4
	PU54983	Test Pin	TP1-14
			Contract No. 2010
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